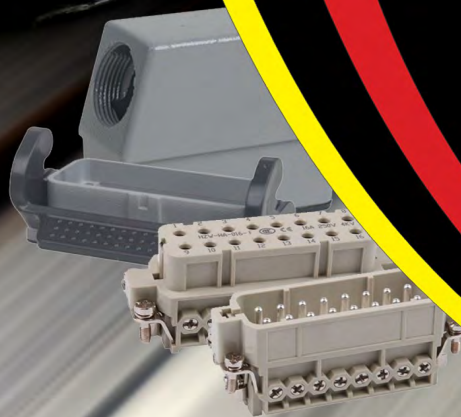


# TransTechnical Solutions



## Multipole Connectors

FOR POWER CONNECTION

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## Company Overview

TransTechnical Solutions is an organisation based in Meadowdale, Johannesburg, South Africa. Strategically Johannesburg is vital to the South African and African markets, with International and Local companies relying on the Technical, Financial and Manufacturing infrastructure based in the Gauteng region. TransTechnical Solutions is a leading supplier to the industrial, mining, rail and governmental sectors of the South African and African markets, with a comprehensive product range, incorporating low, medium and high voltage equipment.

Our association includes major OEM manufacturers reaching as far as Europe, Asia and the America's, which enables TransTechnical Solutions to offer comprehensive solutions to our clients, based on the latest technology available worldwide. In our commitment to quality, TransTechnical Solutions and our partners comply with the most stringent national and international standards and approvals and utilise the latest technology and materials in our manufacturing processes.

TransTechnical Solutions' focus is based on two distinct sectors of the market, low voltage cable management, distribution and monitoring equipment, and medium voltage power transmission and distribution equipment.





# Introduction to Multipole Connectors

Heavy duty multipole connectors are specifically designed for use in especially tough environment conditions. They are used in the fields of automation technology, as well as mechanical, electrical and power engineering.

Industrial automation technology alludes to the control of mechanical hardware and its different procedures, thereby lessening the requirement for human intercession.

Multipole connectors allow for the simple and time-saving installation of machinery and equipment. The housing protects against mechanical impact and also prevents the entry of water and dust.

Connectors are available from 3 pin up to 216 pin, with current ratings from 10A to 2500A. Pins to be purchased separately from the 64 Pin range and upwards. (64, 72, 80, 108, 128, 144, 216).

## Specifications:

VDE 0110 Concerning clearance and creepage distance

VDE 0627 Connectors and plug devices

## Standard:

DIN EN 175 301-801

DIN EN 60 664-1

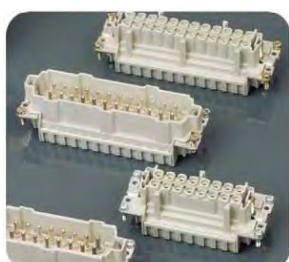
Din EN 61 984

## Approvals:



*All specifications subject to change.*

*Consult us for the latest design specifications.*



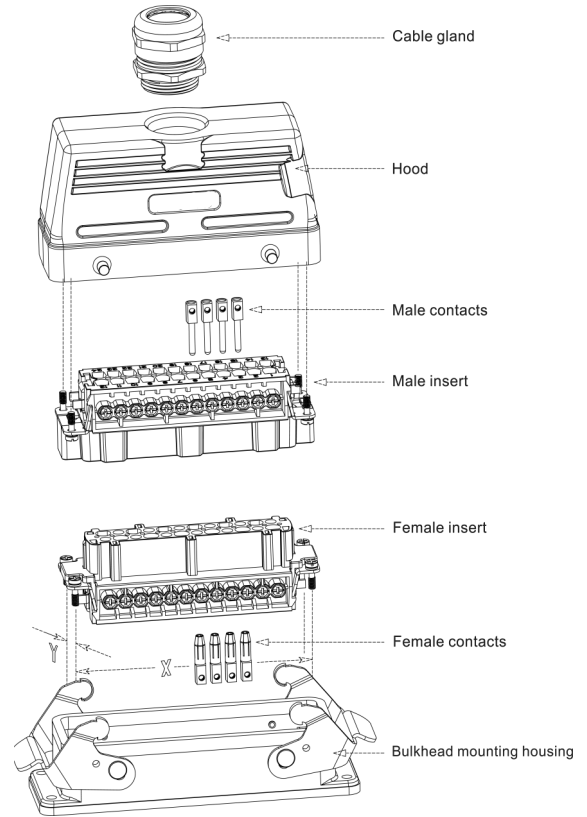


# General Guide

## How to Order

For a complete connector, components may be ordered from the following sub-headings:

- **Male insert**  
Male insert with screw terminal/ crimp terminal/ spring terminal/ rolled contacts terminal/ axial screw terminal/ rapid terminal.
- **Female insert**  
Female insert with screw terminal/ crimp terminal/ spring terminal/ rolled contacts terminal/ axial screw terminal/ rapid terminal.
- **Hoods**  
Hoods with low or high construction, side or top cable entry, 2 or 4 bolts, 1 or 2 locking levers.
- **Housings**  
Bulkhead mounting housings with or without protection cover, 1 or 2 locking levers.  
Surface mounting housings with low or high construction, with or without protection cover, 2 or 4 bolts, 1 or 2 locking levers, 1 or 2 cable entries.
- **Cable entry protection**  
Cable glands with normal or multiple sealing.  
Metal or plastic cable glands.  
Special cable entry protection or extensive range of accessories.
- **Accessories**  
Protection covers, code and guide pins for coding.  
Inserts fixing screws for use without hoods and housings.



### List of Hoods and Housings

#### HOODS

Two Bolt Hoods		Four Bolt Hoods	
TTS-RO	Side entry hood, low construction	TTS	Side entry hood, low construction
TTG-RO	Top entry hood, low construction	TTG	Top entry hood, low construction
TTSH-RO	Side entry hood, high construction	TTSH	Side entry hood, high construction
TTGH-RO	Top entry hood, high construction	TTGH	Top entry hood, high construction

#### HOUSINGS

One Lever Housings		Housings	
TAG-LB	Bulkhead mounting housing	TAG	Bulkhead mounting housing
TAD-LB	Bulkhead mounting housing with protective cover	TAD	Bulkhead mounting housing with protective cover
TSGR-LB	Surface mounting housing, low construction	TSGR	Surface mounting housing, low construction
TSDR-LB	Surface mounting housing with protective cover, low construction	TSDR	Surface mounting housing with protective cover, low construction
TSGRH-LB	Surface mounting housing, high construction	TSGRH	Surface mounting housing, high construction
TSDRH-LB	Surface mounting housing with protective cover, high construction	TSDRH	Surface mounting housing with protective cover, high construction

#### OTHER HOODS

TTSB	Side entry hood with two levers, low construction
TTGB	Top entry hood with two levers, low construction
TTSBH	Side entry hood with two levers, high construction
TTGBH	Top entry hood with two levers, high construction

#### OTHER HOUSINGS

TTBF	Cable to cable housing with two levers, low construction
TTBF-LB	Cable to cable housing with one lever, low construction
TTBFH	Cable to cable housing with two levers, high construction
TTBFH-LB	Cable to cable housing with one lever, high construction



# Selection Guide

## Technical Information - Inserts

Insert	Type	Poles	Current	Voltage	Terminal	Contacts	Hoods/Housings
THA	THA-003	3 + PE	10A	250V	screw terminal	-	TH3A
	THA-004	4 + PE	10A	250V	screw terminal	-	TH3A
	THA-010	10 + PE	16A	250V	screw terminal crimp terminal	TCEM/F (16A) TDEM/F (16A)	TH10A
	THA-016	16 + PE	16A	250V			TH16A
	THA-032	32 + PE	16A	250V			TH32A
	THAS-003	3 + PE	10A	400V	spring terminal	-	TH3A
	THAS-004	4 + PE	10A	400V	spring terminal	-	TH3A
THE	THE-006	6 + PE	16A	500V	screw terminal spring terminal crimp terminal rapid terminal double spring terminal	TCEM/F (16A) TDEM/F (16A)	TH6B
	THE-010	10 + PE	16A	500V			TH10B
	THE-016	16 + PE	16A	500V			TH16B
	THE-024	24 + PE	16A	500V			TH24B
	THE-032	32 + PE	16A	500V			TH32B
	THE-048	48 + PE	16A	500V			TH48B
THVE	THVE-003	3 + PE + 2	16A	830V	screw terminal	-	TH10B
	THVE-006	6 + PE + 2	16A	830V		-	TH16B
	THVE-010	10 + PE + 2	16A	830V		-	TH24B
THEE	THEE-010	10 + PE	16A	500V	crimp terminal	TCEM/F (16A) TDEM/F (16A)	TH6B
	THEE-018	18 + PE	16A	500V			TH10B
	THEE-032	32 + PE	16A	500V			TH16B
	THEE-046	46 + PE	16A	500V			TH24B
	THEE-064	64 + PE	16A	500V			TH32B
	THEE-092	92 + PE	16A	500V			TH48B
THEEE	THEEE-016	16 + PE	16A	400V	crimp terminal	TCEM/F (16A) TDEM/F (16A)	TH6B
	THEEE-024	24 + PE	16A	400V			TH10B
	THEEE-040	40 + PE	16A	400V			TH16B
	THEEE-064	64 + PE	16A	400V			TH24B
	THEEE-072	72 + PE	16A	400V			TH24B
	THEEE-080	80 + PE	16A	400V			TH32B
	THEEE-128	128 + PE	16A	400V			TH48B
	THEEE-144	144 + PE	16A	400V			TH48B
THD	THD-007	7 + PE	10A	250V	crimp terminal rolled contacts terminal	TCDM/F (10A) TDDM/F (10A) TCJM/F (10A)	TH3A
	THD-008	8	10A	50V			TH3A
	THD-015	15 + PE	10A	250V			TH10A
	THD-025	25 + PE	10A	250V			TH16A
	THD-040	40 + PE	10A	250V			TH16B
	THD-050	50 + PE	10A	250V			TH32A
	THD-064	64 + PE	10A	250V			TH24B
	THD-080	80 + PE	10A	250V			TH32B
	THD-128	128 + PE	10A	250V			TH48B
THDD	THDD-016	16 + PE	10A	250V	crimp terminal rolled contacts terminal	TCDM/F (10A) TDDM/F (10A) TCJM/F (10A)	TH6B
	THDD-024	24 + PE	10A	250V			TH6B
	THDD-042	42 + PE	10A	250V			TH10B
	THDD-072	72 + PE	10A	250V			TH16B
	THDD-108	108 + PE	10A	250V			TH24B
	THDD-144	144 + PE	10A	250V			TH32B
	THDD-216	216 + PE	10A	250V			TH48B
THSB	THSB-006	6 + PE	35A	690V	screw terminal	-	TH16B
	THSB-012	12 + PE	35A	690V	screw terminal	-	TH32B
THEAV	THEAV-006	6 + PE	16A	500V	screw terminal spring terminal	-	TH6B
	THEAV-010	10 + PE	16A	500V		-	TH10B
	THEAV-016	16 + PE	16A	500V		-	TH16B
	THEAV-024	24 + PE	16A	500V		-	TH24B



# Selection Guide

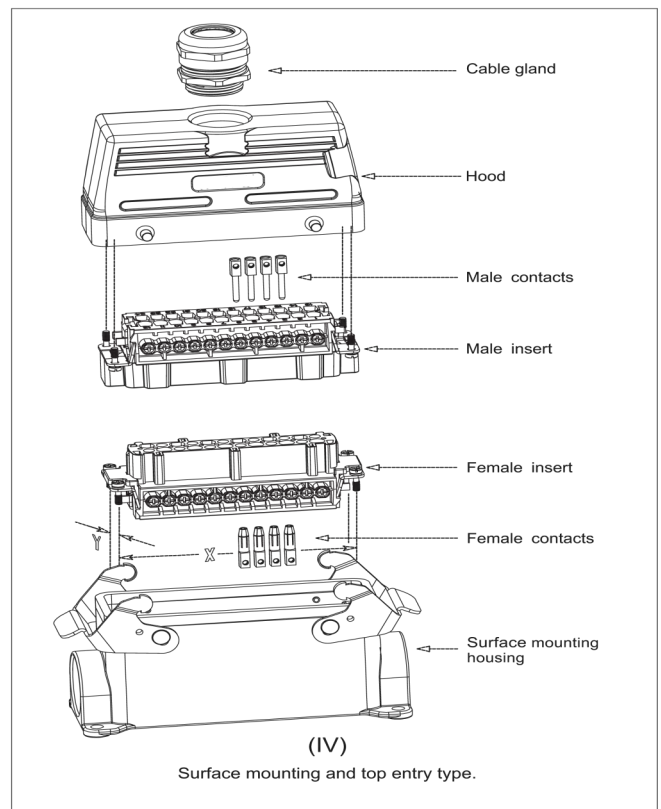
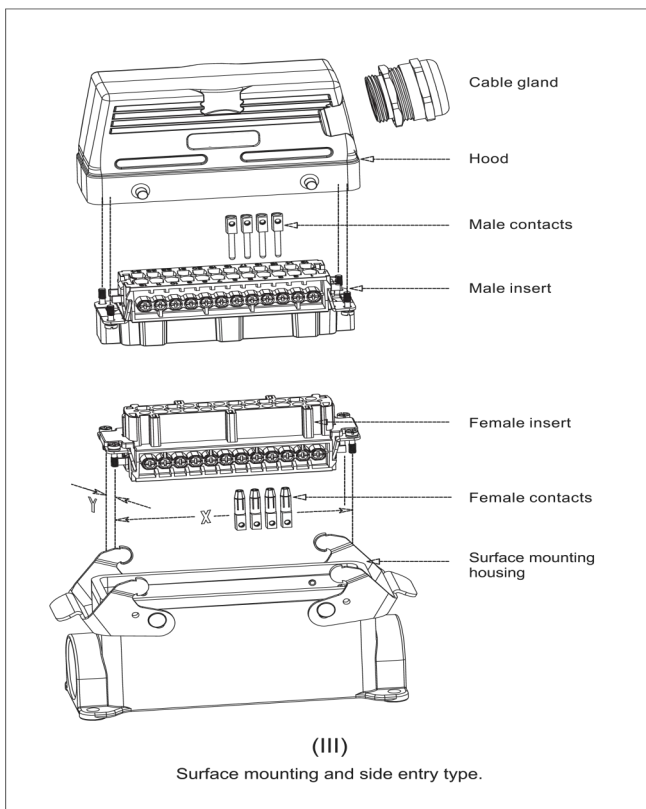
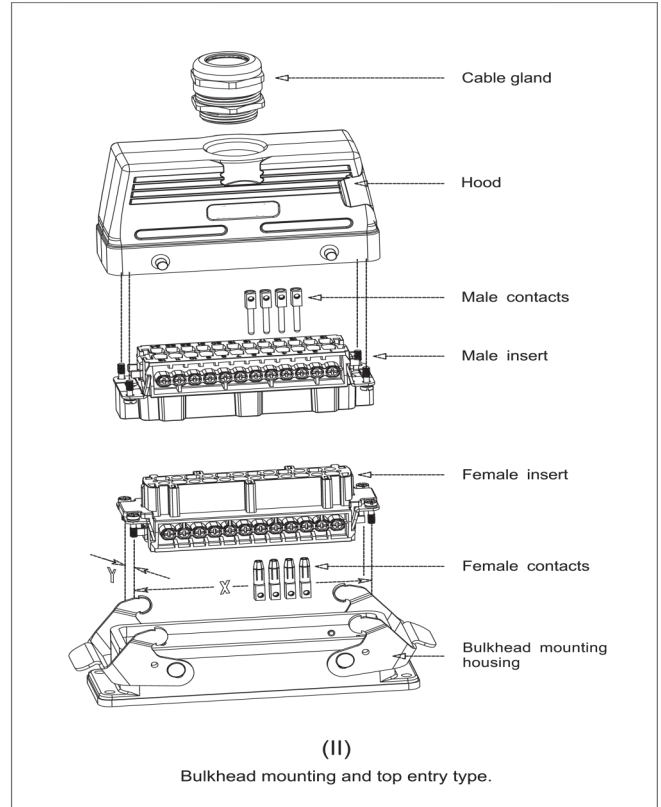
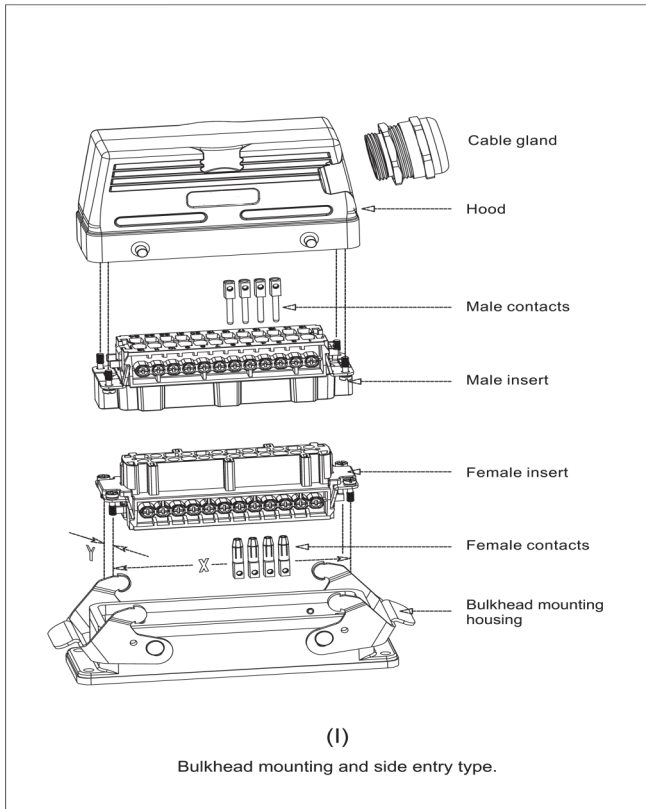
## Technical Information - Inserts

Insert	Type	Poles	Current	Voltage	Terminal	Contacts	Hoods/Housings
<b>THDAV</b>	THDAV-040	40 + PE	10A	250V	screw terminal	-	TH16B
	THDAV-064	64 + PE	10A	250V		-	TH24B
<b>THK THKW</b>	THKN-4/0	4 + PE	80A	690V	axial screw terminal	-	TH6B
	THK-4/0	4 + PE	80A	690V	screw terminal	-	TH16B
	THK-4/2	4/2 + PE	80/16A	690/400V	screw terminal	-	TH16B
	THK-4/8	4/8 + PE	80/16A	400/400V	screw terminal	-	TH24B
	THK-6/6	6/6 + PE	100/16A	690/400V	axial screw terminal	-	TH24B
	THK-8/0	8 + PE	100A	690V	axial screw terminal	-	TH24B
	THK-6/12	6/12 + PE	40/10A	690/400V	axial screw terminal	-	TH16B
	THK-6/36	6/36 + PE	40/10A	690/250V	crimp terminal	TCMM/F & TDMM/F (40A) TCDM/F & TDDM/F (10A)	TH16B
	THK-8/24	8/24 + PE	16/10A	400/250V	crimp terminal	TCEM/F & TDEM/F (16A) TCDM & TDDM/F (10A)	TH10B
	THK-12/2	12/2 + PE	40/10A	500/250V	crimp terminal	TCMM/F & TDMM/F (40A) TCDM/F & TDDM/F (10A)	TH16B
	THWK-4/4	4/4 + PE	40/16A	690/400V	screw terminal	-	TH10B
	THWK-4/6	4/6 + PE	40/16A	690/400V	screw terminal	-	TH16B
	THWK-6/6	6/6 + PE	40/16A	690/400V	screw terminal	-	TH16B
	THWK-3/6/6	3/6/6 + PE	100/40/16A	690/690/400V	screw terminal	-	TH24B
<b>THQ</b>	THQ-005	5 + PE	16A	400V	crimp terminal	TCEM/F & TDEM/F (16A)	TH3A
	THQ-007	7 + PE	10A	400V	crimp terminal	TCDM/F & TDDM/F (10A)	TH3A
	THQ-008	8 + PE	16A	500V	crimp terminal	TCEM/F & TDEM/F (16A)	TH8A
	THQ-017	17 + PE	10A	250V	crimp terminal	TCDM/F & TDDM/F (10A)	TH8A
	THQ-4/2	4/2	40/10A	690V	crimp terminal	TCMM/F & TDMM/F (40A) TCDM/F & TDDM/F (10A)	TH8A
	THQ-012	12 + PE	10A	400V	crimp terminal	TCDM/F & TDDM/F (10A)	TH3A
<b>THMN</b>	Type	Poles	Current	Voltage	Terminal	Contacts	Frame
	THMN-001	1	200A	1000V	crimp terminal axial screw terminal	TCHM/F & TDHM/F (200A)	TH10AN-T1 TH6BN-T2 TH10BN-T3 TH16BN-T4 TH24BN-T6
	THMN-D2	2	100A	1000V		TCNM/F & TDNM/F (100A)	
	THMN-S2	2	40A	1000V		TCMM/F & TDMM/F (40A)	
	THMN-002	2	70A	1000V	axial screw terminal	-	
	THMN-003	3	40A	690V	crimp terminal	TCMM/F & TDMM/F (40A)	
	THMN-004	4	40A	830V	crimp terminal	TCMM/F & TDMM/F (40A)	
	THMN-3/4	3/4	40/10A	830V	crimp terminal	TCMM/F & TDMM/F (40A) TCDM/F & TDDM/F (10A)	
	THMN-005	5	16A	400V	spring terminal	-	
	THMN-006	6	16A	500V	crimp terminal	TCEM/F & TDEM/F (16A)	
	THMN-006-P	6	16A	830V	crimp terminal	TCEM/F & TDEM/F (16A)	
	THMN-008	8	16A	400V	crimp terminal	TCEM/F & TDEM/F (16A)	
	THMN-012	12	10A	250V	crimp terminal	TCDM/F & TDDM/F (10A)	
	THMN-017	17	10A	250V	crimp terminal	TCDM/F & TDDM/F (10A)	
	THMN-020	20	16A	500V	crimp terminal	TCEM/F & TDEM/F (16A)	
	THMN-025	25	5A	50V	crimp terminal	TCAM/F & TDAM/F (5A)	
	THMN-004-SC	4	-	-	optical interface	-	
	THMN-D-Sub	9	5A	50V	D-sub	TCAM/F & DAM/F (5A)	
	THMN-RJ45	-	-	-	RJ45	-	
	THMN-PA2	2	-	-	pneumatic contacts	-	
	THMN-PA3	3	-	-	pneumatic contacts	-	
	TPENU-PA2-6.0	1	-	-	pneumatic	-	
	TPENU-PA3-1.6	1	-	-	pneumatic	-	
	TPENU-PA3-3.0	1	-	-	pneumatic	-	
	TPENU-PA3-4.0	1	-	-	pneumatic	-	
	THMN-Q2	2	-	-	shielding	-	
	TQuintax-004	4	10A	50V	crimp terminal	TCDM/F & TDDM/F (10A)	
	TQuintax-001	1	16A	50V	crimp terminal	TCEM/F & TDEM/F (16A)	
	TQuintax-008	8	5A	50V	crimp terminal	TCAM/F & TDAM/F (5A)	
	THMN-DM	-	-	-	blank plug	-	
<b>Frame</b>	Type	Module Units					
	THNM-1	1					-
	TH10AN-T1	1					TH10A
	TH6BN-T2	2					TH6B
	TH10BN-T3	3					TH10B
	TH16BN-T4	4					TH16B
TH24BN-T6	6					TH24B	



# Selection Guide

When Selecting a Heavy Duty Connector, Choose as Follows:

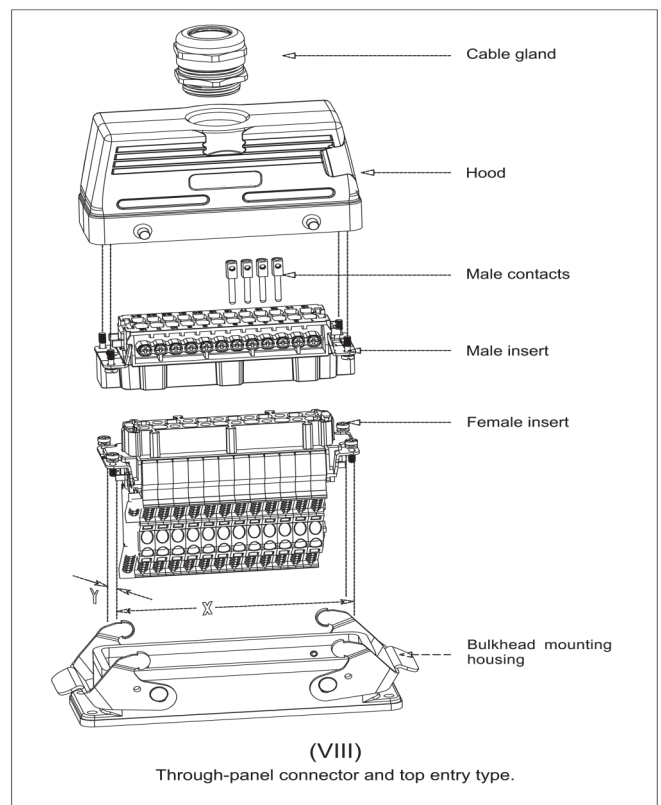
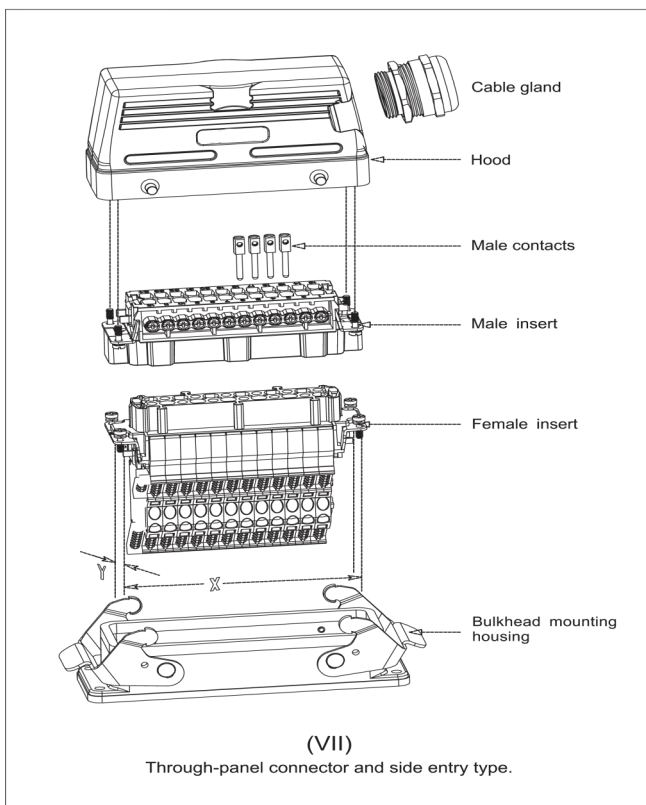
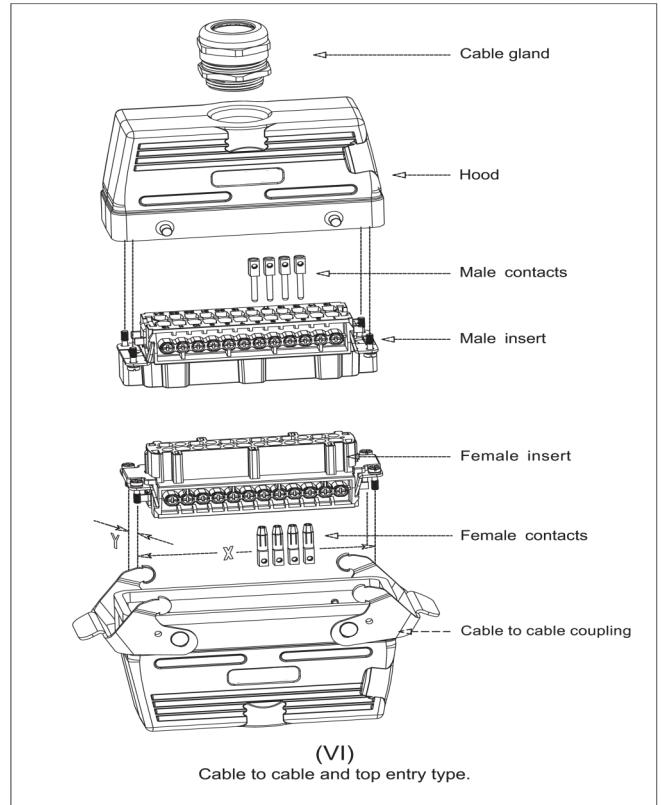
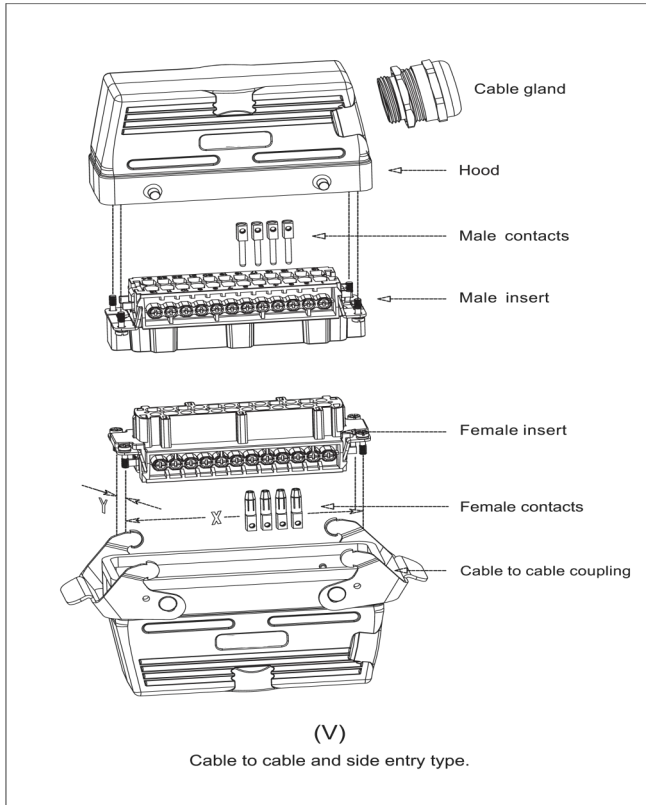






# Selection Guide

When Selecting a Heavy Duty Connector, Choose as Follows:

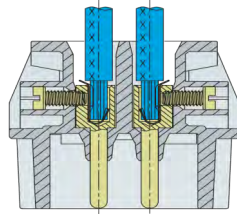




# Terminal Type

## Screw Terminal

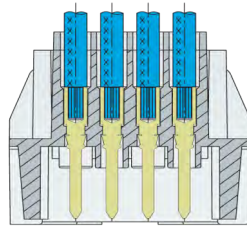
THA series  
THE, THVE series  
THSB series  
THK series  
THWK series  
THEAV series



Inserts	Maximum Wire Gauge		Stripping Length L
	mm <sup>2</sup>	AWG	(mm)
THA-003, THA-004	2.5	14	4.5
THE, THA, THEAV	2.5	14	7.5
THE, THVE	4.0	12	7.5
THSB	6.0	10	11.5
THK, THWK	16.0	5.0	14

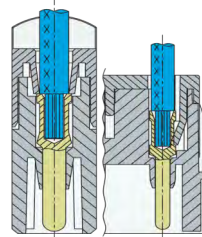
## Crimp Terminal

THD series  
THDD series



Inserts	Maximum Wire Gauge		Stripping Length L (mm)	
	mm <sup>2</sup>	AWG	THDD/THD	THEC/THAC
THD THDD THM (10A)	0.5	20	8.0	7.5
	0.75	18	8.0	7.5
	1.0	18	8.0	7.5
	1.5	16	8.0	7.5
	2.5	14	8.0	7.5
4.0	12	-	7.5	

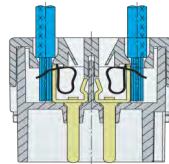
THEC, THEE series  
THEEE series  
THMN series



Inserts	Maximum Wire Gauge		Stripping Length L (mm)
	mm <sup>2</sup>	AWG	THEE/THMN (40A)
THEC THEE THEEE THM (40A)	0.5	20	7.5
	0.75	18	7.5
	1.0	18	7.5
	1.5	16	7.5
	2.5	14	7.5
4.0	12	7.5	

## Spring Terminal

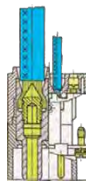
THAS series  
THES series  
THESAV series



Inserts	Maximum Wire Gauge		Stripping Length L (mm)
	mm <sup>2</sup>	AWG	
THAS THES THESAV	0.14 - 2.5	26 - 14	9 - 11

## Axial Screw Terminal

THK6/6  
THK6/12  
THK8/0



Inserts	Maximum Wire Gauge		Stripping Length L (mm)
	mm <sup>2</sup>	AWG	
THK6/6	16 - 35	5 - 2	13 - 14
THK6/12	2.5 - 10	13/ -1	8 - 9
THK8/0	10 - 25	13/ -1	6 - 7

## Recommended Tightening Torque and Size of Screwdriver

Size of Screw	Connector Type	Tightening Torque (Nm)	Tightening Torque (lbft)	Recommended Size of Screwdriver
M3	Screw terminal THA-003/THA-004/THQ-005	0.25	0.20	0.4 x 2.5
M3	Screw terminal THA-010/THA-016	0.50	0.40	0.5 x 3.5 or ± size 1
M3	Screw terminal THE, THVAE fixing screws of all kinds, guiding pins and bushes	0.50	0.40	0.5 x 3.5
M4	Ground terminal THA, THE, THD, THDD	1.20	0.90	0.5 x 3.5 or ± size 1 + 2
M4	Terminal blocks THSB	1.20	0.90	0.8 x 4.5
M5	Ground terminal THSB	2.00	1.40	0.8 x 4.5 or 1.2 x 8.0



# Selecting Cable Glands

## Selecting PG Cable Glands

The PG sizes indicated are intended for standard cables.

Cross-sec.	No. of cond.	Cable $\phi$ approx.	Metric with multi-layer sealing
0.5 mm <sup>2</sup>	4	6.7 - 9.7	11
AWG 20	6	7.6 - 10.6	11 13.5 16
	10	9.4 - 12.8	11 13.5 16
	16	10.7 - 13.9	11 13.5 16
	24	13.5 - 16.7	13.5 16 21
	30	14.3 - 17.5	13.5 16 21
	35	16 - 18.6	16 21
	40	16.6 - 19.2	21
	61	20.3 - 23.1	21 29

Cross-sec.	No. of cond.	Cable $\phi$ approx.	Metric with multi-layer sealing
0.75 mm <sup>2</sup>	4	7.9 - 10.3	11
AWG 18	6	8.9 - 12.3	11
	10	10.4 - 13.8	11 13.5 16
	18	13 - 16.2	13.5 16
	25	15.9 - 18.5	16 21
	32	17.1 - 19.7	21 29
	40	19 - 21.4	21 29
	50	21.3 - 24.1	21 29
	61	22.6 - 25.4	21 29

Cross-sec.	No. of cond.	Cable $\phi$ approx.	Metric with multi-layer sealing
1 mm <sup>2</sup>	4	8.4 - 10.7	11 13.5
AWG 16 - 18	6	9.2 - 12.6	11 13.5 16
	10	11 - 14.4	11 13.5 16 21
	16	13 - 16.2	13.5 16 21
	24	16.5 - 19.1	21 29
	34	19.4 - 21.8	21 29
	48	22 - 24.8	21 29
	61	24.5 - 27.2	29

Cross-sec.	No. of cond.	Cable $\phi$ approx.	Metric with multi-layer sealing
1.5 mm <sup>2</sup>	4	9.7 - 11.8	11 13.5 16
AWG 16	6	10.8 - 14.2	11 13.5 16
	11	13.6 - 16.8	13.5 16 21
	16	15.8 - 18.4	16 21
	25	20.2 - 23	21 29
	32	23.8 - 24.5	29 36
	42	25.8 - 29	29 36
	50	27 - 30.2	29 36
	61	28.6 - 31.8	29 36

Cross-sec.	No. of cond.	Cable $\phi$ approx.	Metric with multi-layer sealing
2.5 mm <sup>2</sup>	4	11.7 - 14.4	11 13.5 16
AWG 12 - 14	6	13.3 - 16.7	13.5 16 21
	7	13.3 - 16.7	13.5 16 21
	11	18 - 20.6	21 29
	16	20.6 - 23.4	21 29
	18	21.7 - 24.5	29 36
	25	26.4 - 29.6	29 36
	34	31.3 - 33.1	29 36
	50	37 - 39.4	42

Cross-sec.	No. of cond.	Cable $\phi$ approx.	Metric with multi-layer sealing
4 mm <sup>2</sup>	2	10.7 - 14.1	11 13.5 16 21
AWG 10 - 12	4	13 - 16.4	13.5 16 21
	5	14.3 - 17.7	16 21
	7	16.2 - 19.6	21 29 36
	11	approx. 24.5	29 36

## Selecting Metric Cable Glands

The Metric sizes indicated are intended for standard cables.

Please observe the clamping range on your choice of metric cable glands.

Cross-sec.	No. of cond.	Cable $\phi$ approx.	Metric with multi-layer sealing
0.5 mm <sup>2</sup>	4	6.7 - 9.7	16 20
AWG 20	6	7.6 - 10.6	16 20 16
	10	9.4 - 12.8	16 20 16 25
	16	10.7 - 13.9	20 16 25
	24	13.5 - 16.7	16 25 32
	35	16 - 18.6	25 32
	40	16.6 - 19.2	25 32
	61	20.3 - 23.1	32

Cross-sec.	No. of cond.	Cable $\phi$ approx.	Metric with multi-layer sealing
0.75 mm <sup>2</sup>	4	7.9 - 10.3	16 20
AWG 18	6	8.9 - 12.3	16 20 25
	10	10.4 - 13.8	20 25
	18	13 - 16.2	25 32
	25	15.9 - 18.5	25 32
	32	17.1 - 19.7	25 32
	40	19 - 21.4	32 40
	50	21.3 - 24.1	32 40
	61	22.6 - 25.4	40

Cross-sec.	No. of cond.	Cable $\phi$ approx.	Metric with multi-layer sealing
1 mm <sup>2</sup>	4	8.4 - 10.7	16 20
AWG 16 - 18	6	9.2 - 12.6	16 20 25
	10	11 - 14.4	20 25 32
	16	13 - 16.2	25 32
	24	16.5 - 19.1	25 32 40
	34	19.4 - 21.8	25 32 40
	48	22 - 24.8	32 40
	61	24.5 - 27.2	32 40

Cross-sec.	No. of cond.	Cable $\phi$ approx.	Metric with multi-layer sealing
1.5 mm <sup>2</sup>	4	9.7 - 11.8	16 20 25
AWG 16	6	10.8 - 14.2	20 25
	11	13.6 - 16.8	25 32
	16	15.8 - 18.4	25 32
	25	20.2 - 23	32 40
	32	23.8 - 24.5	40
	42	25.8 - 29	40
	61	28.6 - 31.8	40

Cross-sec.	No. of cond.	Cable $\phi$ approx.	Metric with multi-layer sealing
2.5 mm <sup>2</sup>	4	11.7 - 14.4	20 25
AWG 12 - 14	6	13.3 - 16.7	25 32
	11	18 - 20.6	25 32 40
	16	20.6 - 23.4	32 40
	25	26.4 - 29.6	40 50
	34	31.3 - 33.1	40 50
	50	37 - 39.4	50
	61	39 - 41.5	50

Cross-sec.	No. of cond.	Cable $\phi$ approx.	Metric with multi-layer sealing
4 mm <sup>2</sup>	2	10.7 - 14.1	20 25
AWG 10 - 12	4	13 - 16.4	25 32
	5	14.3 - 17.7	25 32
	7	16.2 - 19.6	25 32
	11	approx. 24.5	40

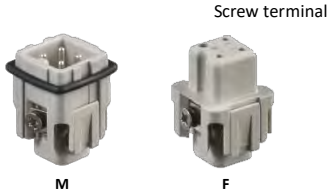


# Connectors and Accessories

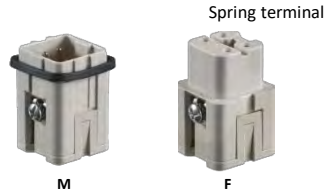
## THA Series Connectors

THA series inserts can match the THA series hoods and housings - see pages 35 to 37.

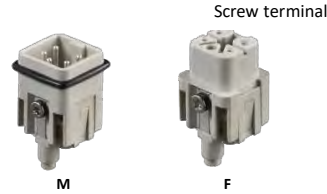
3+



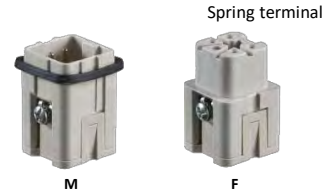
3+



4+



4+



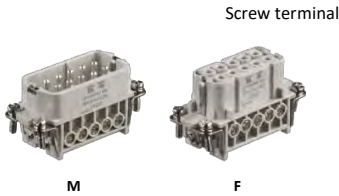
Type	Male (M)	THA-003-M
	Female (F)	THA-003-F
Tech data	Rated current:	10A
	Rated voltage:	250V
	Terminal:	Screw terminal
	Wire gauge:	0.14 - 2.5mm <sup>2</sup>
Hoods Housings	For TH3A series see page 35	

Type	Male (M)	THA-003-MS
	Female (F)	THA-003-FS
Tech data	Rated current:	10A
	Rated voltage:	400V
	Terminal:	Spring terminal
	Wire gauge:	0.14 - 2.5mm <sup>2</sup>
Hoods Housings	For TH3A series see page 35	

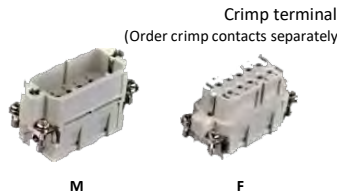
Type	Male (M)	THA-004-M
	Female (F)	THA-004-F
Tech data	Rated current:	10A
	Rated voltage:	250V
	Terminal:	Screw terminal
	Wire gauge:	0.14 - 2.5mm <sup>2</sup>
Hoods Housings	For TH3A series see page 35	

Type	Male (M)	THA-004-MS
	Female (F)	THA-004-FS
Tech data	Rated current:	10A
	Rated voltage:	400V
	Terminal:	Spring terminal
	Wire gauge:	0.14 - 2.5mm <sup>2</sup>
Hoods Housings	For TH3A series see page 35	

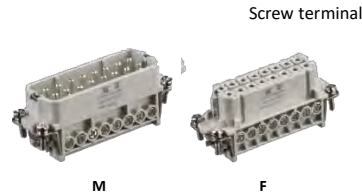
10+



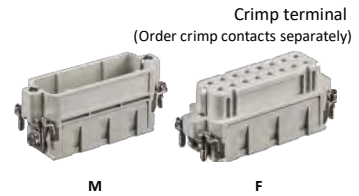
10+



16+



16+



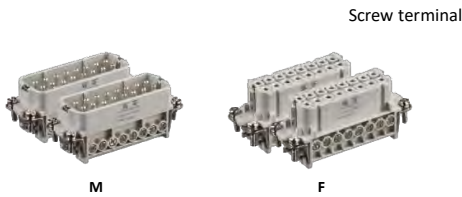
Type	Male (M)	THA-010-M
	Female (F)	THA-010-F
Tech data	Rated current:	16A
	Rated voltage:	250V
	Terminal:	Screw terminal
	Wire gauge:	0.14 - 2.5mm <sup>2</sup>
Hoods Housings	For TH10A series see page 36	

Type	Male (M)	THA-010-MC
	Female (F)	THA-010-FC
Tech data	Rated current:	16A
	Rated voltage:	250V
	Terminal:	Crimp terminal
	Wire gauge:	0.14 - 4.0mm <sup>2</sup>
Hoods Housings	For TH10A series see page 36	

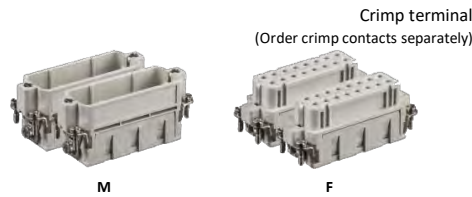
Type	Male (M)	THA-016-M
	Female (F)	THA-016-F
Tech data	Rated current:	16A
	Rated voltage:	250V
	Terminal:	Screw terminal
	Wire gauge:	0.14 - 2.5mm <sup>2</sup>
Hoods Housings	For TH16A series see page 36	

Type	Male (M)	THA-016-MC
	Female (F)	THA-016-FC
Tech data	Rated current:	16A
	Rated voltage:	250V
	Terminal:	Crimp terminal
	Wire gauge:	0.14 - 4.0mm <sup>2</sup>
Hoods Housings	For TH16A series see page 36	

32+



32+



Type	Male (M)	THA-016-M (1-16) THA-016-M (17-32)
	Female (F)	THA-016-F (1-16) THA-016-F (17-32)
Tech data	Rated current:	16A
	Rated voltage:	250V
	Terminal:	Screw terminal
	Wire gauge:	0.14 - 2.5mm <sup>2</sup>
Hoods Housings	For TH32A series see page 37	

Type	Male (M)	THA-016-MC (1-16) THA-016-MC (17-32)
	Female (F)	THA-016-FC (1-16) THA-016-FC (17-32)
Tech data	Rated current:	16A
	Rated voltage:	250V
	Terminal:	Crimp terminal
	Wire gauge:	0.14 - 4.0mm <sup>2</sup>
Hoods Housings	For TH32A series see page 37	

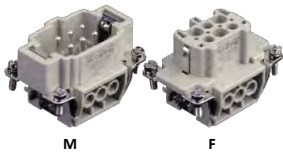


## THE Series Connectors

THE series inserts can match the THB series hoods and housings - see pages 38 to 46.

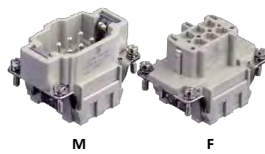
6+

Screw terminal



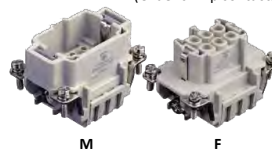
6+

Spring terminal



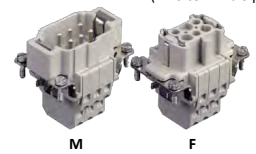
6+

Crimp terminal  
(Order crimp contacts separately)



6+

Spring terminal  
(Two terminals per contact)



Type	Male (M)	THE-006-M
	Female (F)	THE-006-F
Tech data	Rated current:	16A
	Rated voltage:	500V
	Terminal:	Screw terminal
	Wire gauge:	0.14 - 4.0mm <sup>2</sup>
Hoods Housings	For TH6B series see page 38	

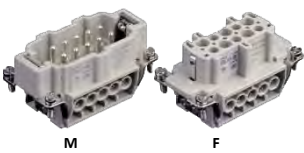
Type	Male (M)	THE-006-MS
	Female (F)	THE-006-FS
Tech data	Rated current:	16A
	Rated voltage:	500V
	Terminal:	Spring terminal
	Wire gauge:	0.5 - 2.5mm <sup>2</sup>
Hoods Housings	For TH6B series see page 38	

Type	Male (M)	THE-006-MC
	Female (F)	THE-006-FC
Tech data	Rated current:	16A
	Rated voltage:	500V
	Terminal:	Crimp terminal
	Wire gauge:	0.14 - 4.0mm <sup>2</sup>
Hoods Housings	For TH6B series see page 38	

Type	Male (M)	THE-006-MSS
	Female (F)	THE-006-FSS
Tech data	Rated current:	16A
	Rated voltage:	500V
	Terminal:	Spring terminal
	Wire gauge:	0.5 - 2.5mm <sup>2</sup>
Hoods Housings	For TH6B series see page 38	

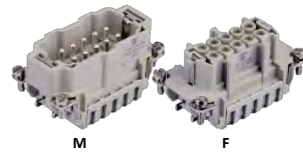
10+

Screw terminal



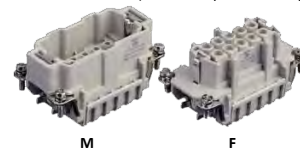
10+

Spring terminal



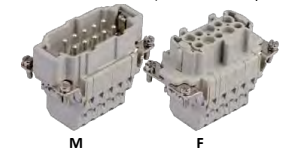
10+

Crimp terminal  
(Order crimp contacts separately)



10+

Spring terminal  
(Two terminals per contact)



Type	Male (M)	THE-010-M
	Female (F)	THE-010-F
Tech data	Rated current:	16A
	Rated voltage:	500V
	Terminal:	Screw terminal
	Wire gauge:	0.14 - 4.0mm <sup>2</sup>
Hoods Housings	For TH10B series see pages 39 to 40	

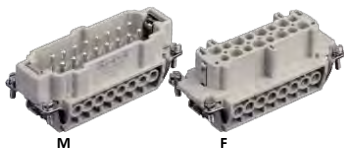
Type	Male (M)	THE-010-MS
	Female (F)	THE-010-FS
Tech data	Rated current:	16A
	Rated voltage:	500V
	Terminal:	Spring terminal
	Wire gauge:	0.5 - 2.5mm <sup>2</sup>
Hoods Housings	For TH10B series see pages 39 to 40	

Type	Male (M)	THE-010-MC
	Female (F)	THE-010-FC
Tech data	Rated current:	16A
	Rated voltage:	500V
	Terminal:	Crimp terminal
	Wire gauge:	0.14 - 4.0mm <sup>2</sup>
Hoods Housings	For TH10B series see pages 39 to 40	

Type	Male (M)	THE-010-MSS
	Female (F)	THE-010-FSS
Tech data	Rated current:	16A
	Rated voltage:	500V
	Terminal:	Spring terminal
	Wire gauge:	0.5 - 2.5mm <sup>2</sup>
Hoods Housings	For TH10B series see pages 39 to 40	

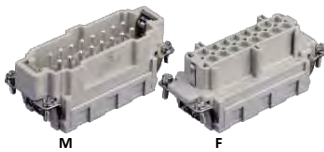
16+

Screw terminal



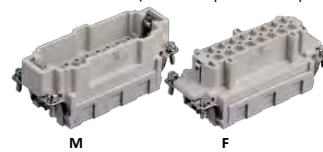
16+

Spring terminal



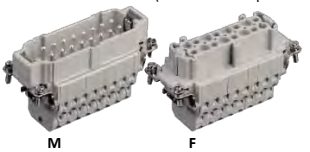
16+

Crimp terminal  
(Order crimp contacts separately)



16+

Spring terminal  
(Two terminals per contact)



Type	Male (M)	THE-016-M
	Female (F)	THE-016-F
Tech data	Rated current:	16A
	Rated voltage:	500V
	Terminal:	Screw terminal
	Wire gauge:	0.14 - 4.0mm <sup>2</sup>
Hoods Housings	For TH16B series see page 41 to 42	

Type	Male (M)	THE-016-MS
	Female (F)	THE-016-FS
Tech data	Rated current:	16A
	Rated voltage:	500V
	Terminal:	Spring terminal
	Wire gauge:	0.5 - 2.5mm <sup>2</sup>
Hoods Housings	For TH16B series see page 41 to 42	

Type	Male (M)	THE-016-MC
	Female (F)	THE-016-FC
Tech data	Rated current:	16A
	Rated voltage:	500V
	Terminal:	Crimp terminal
	Wire gauge:	0.14 - 4.0mm <sup>2</sup>
Hoods Housings	For TH16B series see page 41 to 42	

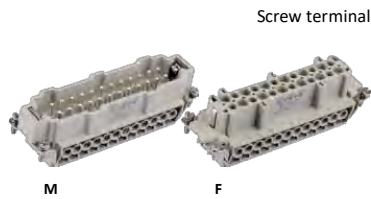
Type	Male (M)	THE-016-MSS
	Female (F)	THE-016-FSS
Tech data	Rated current:	16A
	Rated voltage:	500V
	Terminal:	Spring terminal
	Wire gauge:	0.5 - 2.5mm <sup>2</sup>
Hoods Housings	For TH16B series see page 41 to 42	



## THE Series Connectors

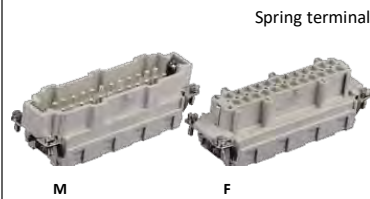
THE series inserts can match the THB series hoods and housings - see pages 38 to 46.

24 +



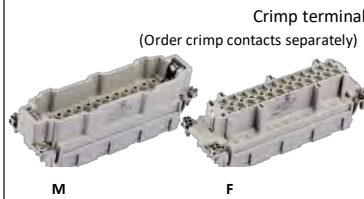
Screw terminal

24 +



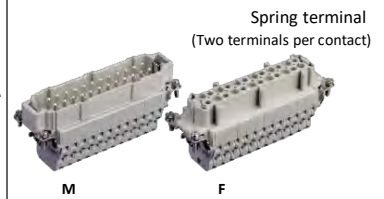
Spring terminal

24 +



Crimp terminal  
(Order crimp contacts separately)

24 +



Spring terminal  
(Two terminals per contact)

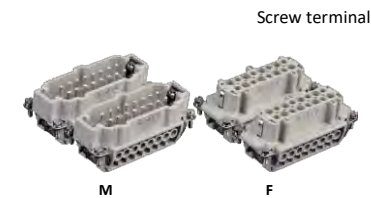
Type	Male (M)	THE-024-M
	Female (F)	THE-024-F
Tech data	Rated current:	16A
	Rated voltage:	500V
	Terminal:	Screw terminal
	Wire gauge:	0.14 - 4.0mm <sup>2</sup>
Hoods Housings	For TH24B series see page 43 to 44	

Type	Male (M)	THE-024-MS
	Female (F)	THE-024-FS
Tech data	Rated current:	16A
	Rated voltage:	500V
	Terminal:	Spring terminal
	Wire gauge:	0.5 - 2.5mm <sup>2</sup>
Hoods Housings	For TH24B series see page 43 to 44	

Type	Male (M)	THE-024-MC
	Female (F)	THE-024-FC
Tech data	Rated current:	16A
	Rated voltage:	500V
	Terminal:	Crimp terminal
	Wire gauge:	0.14 - 4.0mm <sup>2</sup>
Hoods Housings	For TH24B series see page 43 to 44	

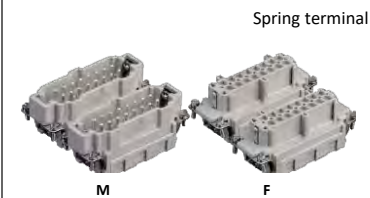
Type	Male (M)	THE-024-MSS
	Female (F)	THE-024-FSS
Tech data	Rated current:	16A
	Rated voltage:	500V
	Terminal:	Spring terminal
	Wire gauge:	0.5 - 2.5mm <sup>2</sup>
Hoods Housings	For TH24B series see page 43 to 44	

32 +



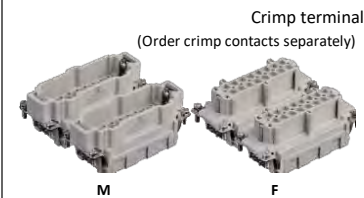
Screw terminal

32 +



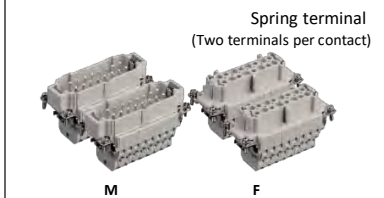
Spring terminal

32 +



Crimp terminal  
(Order crimp contacts separately)

32 +



Spring terminal  
(Two terminals per contact)

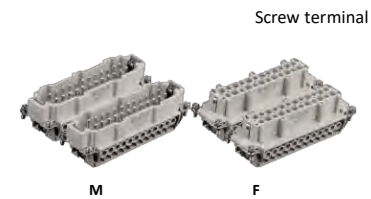
Type	Male (M)	THE-016-M (1-16) THE-016-M (17-32)
	Female (F)	THE-016-F (1-16) THE-016-F (17-32)
Tech data	Rated current:	16A
	Rated voltage:	500V
	Terminal:	Screw terminal
	Wire gauge:	0.14 - 4.0mm <sup>2</sup>
Hoods Housings	For TH32B series see page 45	

Type	Male (M)	THE-016-MS (1-16) THE-016-MS (17-32)
	Female (F)	THE-016-FS (1-16) THE-016-FS (17-32)
Tech data	Rated current:	16A
	Rated voltage:	500V
	Terminal:	Spring terminal
	Wire gauge:	0.5 - 2.5mm <sup>2</sup>
Hoods Housings	For TH32B series see page 45	

Type	Male (M)	THE-016-MC (1-16) THE-016-MC (17-32)
	Female (F)	THE-016-FC (1-16) THE-016-FC (17-32)
Tech data	Rated current:	16A
	Rated voltage:	500V
	Terminal:	Crimp terminal
	Wire gauge:	0.14 - 4.0mm <sup>2</sup>
Hoods Housings	For TH32B series see page 45	

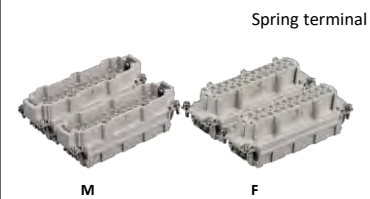
Type	Male (M)	THE-016-MSS (1-16) THE-016-MSS (17-32)
	Female (F)	THE-016-FSS (1-16) THE-016-FSS (17-32)
Tech data	Rated current:	16A
	Rated voltage:	500V
	Terminal:	Spring terminal
	Wire gauge:	0.5 - 2.5mm <sup>2</sup>
Hoods Housings	For TH32B series see page 45	

48 +



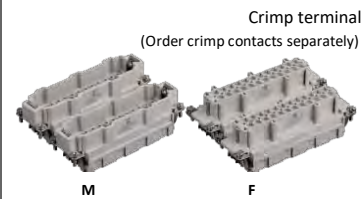
Screw terminal

48 +



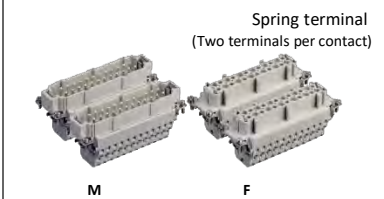
Spring terminal

48 +



Crimp terminal  
(Order crimp contacts separately)

48 +



Spring terminal  
(Two terminals per contact)

Type	Male (M)	THE-024-M (1-24) THE-024-M (25-48)
	Female (F)	THE-024-F (1-24) THE-024-F (25-48)
Tech data	Rated current:	16A
	Rated voltage:	500V
	Terminal:	Screw terminal
	Wire gauge:	0.14 - 4.0mm <sup>2</sup>
Hoods Housings	For TH48B series see page 46	

Type	Male (M)	THE-024-MS (1-24) THE-024-MS (25-48)
	Female (F)	THE-024-FS (1-24) THE-024-FS (25-48)
Tech data	Rated current:	16A
	Rated voltage:	500V
	Terminal:	Spring terminal
	Wire gauge:	0.5 - 2.5mm <sup>2</sup>
Hoods Housings	For TH48B series see page 46	

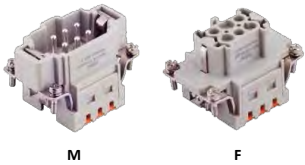
Type	Male (M)	THE-024-MC (1-24) THE-024-MC (25-48)
	Female (F)	THE-024-FC (1-24) THE-024-FC (25-48)
Tech data	Rated current:	16A
	Rated voltage:	500V
	Terminal:	Crimp terminal
	Wire gauge:	0.14 - 4.0mm <sup>2</sup>
Hoods Housings	For TH48B series see page 46	

Type	Male (M)	THE-024-MSS (1-24) THE-024-MSS (25-48)
	Female (F)	THE-024-FSS (1-24) THE-024-FSS (25-48)
Tech data	Rated current:	16A
	Rated voltage:	500V
	Terminal:	Spring terminal
	Wire gauge:	0.5 - 2.5mm <sup>2</sup>
Hoods Housings	For TH48B series see page 46	



## THE / THV / THEEE Series Connectors

6 +



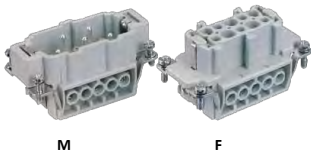
Rapid terminal

Type	Male (M)	THE-006-MSH
	Female (F)	THE-006-FSH
Tech data	Rated current:	16A
	Rated voltage:	500V
	Terminal:	Rapid terminal
	Wire gauge:	0.5 - 2.5mm <sup>2</sup>
Hoods Housings	For TH6B series see page 38	

10/16/24/32/48 +

Type	Male (M)	THE-010-MSH	THE-016-MSH	THE-024-MSH	THE-032-MSH	THE-048-MSH
	Female (F)	THE-010-FSH	THE-016-FSH	THE-024-FSH	THE-032-FSH	THE-048-FSH
Tech data	Rated current:	16A				
	Rated voltage:	500V				
	Terminal:	Rapid terminal				
	Wire gauge:	0.5 - 2.5mm <sup>2</sup>				
Hoods Housings	For THB series see page 38 to 46					

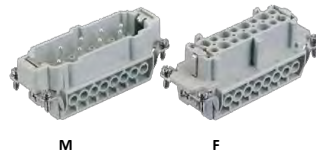
3 + + 2 additional contacts for safe high voltage connections



Screw terminal

Type	Male (M)	THVE-003-M
	Female (F)	THVE-003-F
Tech data	Rated current:	16A
	Rated voltage:	830V
	Terminal:	Screw terminal
	Wire gauge:	0.5 - 2.5mm <sup>2</sup>
Hoods Housings	For TH10B series see page 39 to 40	

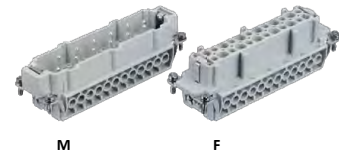
6 + + 2 additional contacts for safe high voltage connections



Screw terminal

Type	Male (M)	THVE-006-M
	Female (F)	THVE-006-F
Tech data	Rated current:	16A
	Rated voltage:	830V
	Terminal:	Screw terminal
	Wire gauge:	0.5 - 2.5mm <sup>2</sup>
Hoods Housings	For TH16B series see page 41 to 42	

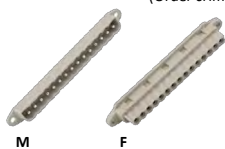
10 + + 2 additional contacts for safe high voltage connections



Screw terminal

Type	Male (M)	THVE-010-M
	Female (F)	THVE-010-F
Tech data	Rated current:	16A
	Rated voltage:	830V
	Terminal:	Screw terminal
	Wire gauge:	0.5 - 2.5mm <sup>2</sup>
Hoods Housings	For TH24B series see page 43 to 44	

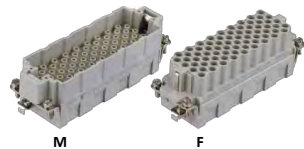
15 +



Crimp terminal  
(Order crimp contacts separately)

Type	Male (M)	THEEE-015-M
	Female (F)	THEEE-015-F
Tech data	Rated current:	16A
	Rated voltage:	200V
	Terminal:	Crimp terminal
	Wire gauge:	0.14 - 4.0mm <sup>2</sup>
Hoods Housings	No shells required	

72 +



Type	Male (M)	THEEE-072-M
	Female (F)	THEEE-072-F
Tech data	Rated current:	16A
	Rated voltage:	400V
	Terminal:	Crimp terminal
	Wire gauge:	0.14 - 4.0mm <sup>2</sup>
Hoods Housings	For TH24B series see page 43 to 44	

16/24/40/48/64/80/128/144 +

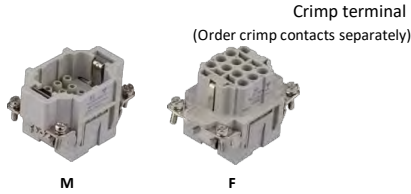
Type	Male (M)	
	Female (F)	
Tech data	Rated current:	16A
	Rated voltage:	400V
	Terminal:	Crimp terminal
	Wire gauge:	0.14 - 4.0mm <sup>2</sup>
Hoods Housings	For THB series see page 38 to 46	



## THEE Series Connectors

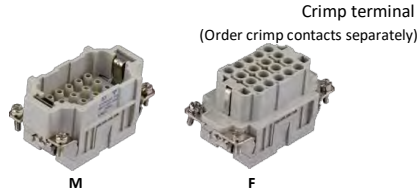
THEE series inserts can match the THB series hoods and housings - see pages 38 to 46.

10+ 



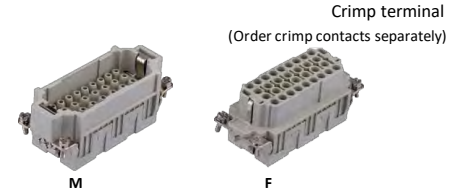
Type	Male (M)	THEE-010-M
	Female (F)	THEE-010-F
Tech data	Rated current:	16A
	Rated voltage:	500V
	Terminal:	Crimp terminal
	Wire gauge:	0.14 - 4.0mm <sup>2</sup>
Hoods Housings	For TH6B series see page 38	

18+ 



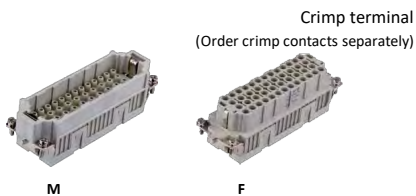
Type	Male (M)	THEE-018-M
	Female (F)	THEE-018-F
Tech data	Rated current:	16A
	Rated voltage:	500V
	Terminal:	Crimp terminal
	Wire gauge:	0.14 - 4.0mm <sup>2</sup>
Hoods Housings	For TH10B series see page 39 to 40	

32+ 



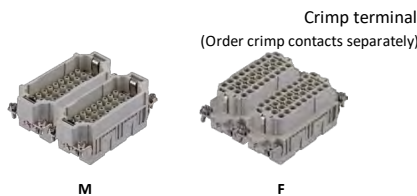
Type	Male (M)	THEE-032-M
	Female (F)	THEE-032-F
Tech data	Rated current:	16A
	Rated voltage:	500V
	Terminal:	Crimp terminal
	Wire gauge:	0.14 - 4.0mm <sup>2</sup>
Hoods Housings	For TH16B series see page 41 to 42	

46+ 



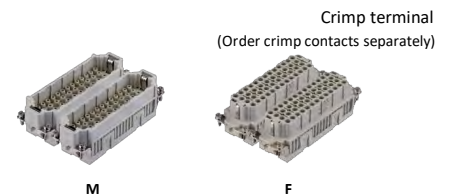
Type	Male (M)	THEE-046-M
	Female (F)	THEE-046-F
Tech data	Rated current:	16A
	Rated voltage:	500V
	Terminal:	Crimp terminal
	Wire gauge:	0.14 - 4.0mm <sup>2</sup>
Hoods Housings	For TH24B series see page 43 to 44	

64+ 



Type	Male (M)	THEE-032-M (1-32) THEE-032-M (33-64)
	Female (F)	THEE-032-F (1-32) THEE-032-F (33-64)
Tech data	Rated current:	16A
	Rated voltage:	500V
	Terminal:	Crimp terminal
	Wire gauge:	0.14 - 4.0mm <sup>2</sup>
Hoods Housings	For TH32B series see page 45	

92+ 



Type	Male (M)	THEE-046-M (1-46) THEE-046-M (47-92)
	Female (F)	THEE-046-F (1-46) THEE-046-F (47-92)
Tech data	Rated current:	16A
	Rated voltage:	500V
	Terminal:	Crimp terminal
	Wire gauge:	0.14 - 4.0mm <sup>2</sup>
Hoods Housings	For TH48B series see page 46	

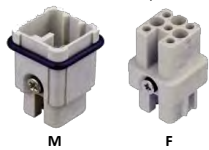




## THD Series Connectors

THD series inserts can match the THA, THB series hoods and housings - see pages 35 to 46.

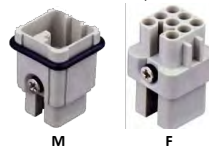
7+



Crimp terminal  
(Order crimp contacts separately)

Type	Male (M)	THD-007-M
	Female (F)	THD-007-F
Tech data	Rated current:	10A
	Rated voltage:	250V
	Terminal:	Crimp terminal
	Wire gauge:	0.14 - 2.5mm <sup>2</sup>
Hoods Housings	For TH3A series see page 35	

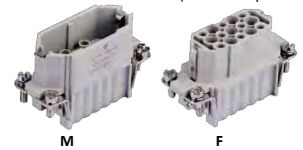
8+



Crimp terminal  
(Order crimp contacts separately)

Type	Male (M)	THD-008-M
	Female (F)	THD-008-F
Tech data	Rated current:	10A
	Rated voltage:	250V
	Terminal:	Crimp terminal
	Wire gauge:	0.14 - 2.5mm <sup>2</sup>
Hoods Housings	For TH3A series see page 35	

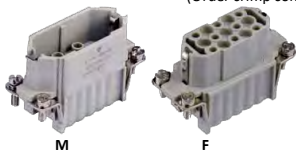
15+



Crimp terminal  
(Order crimp contacts separately)

Type	Male (M)	THD-015-M
	Female (F)	THD-015-F
Tech data	Rated current:	10A
	Rated voltage:	250V
	Terminal:	Crimp terminal
	Wire gauge:	0.14 - 2.5mm <sup>2</sup>
Hoods Housings	For TH10A series see page 36	

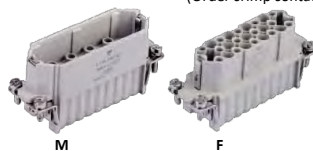
15+



Rolled crimp contacts  
(Order crimp contacts separately)

Type	Male (M)	THD-015-M
	Female (F)	THD-015-FJ
Tech data	Rated current:	10A
	Rated voltage:	250V
	Terminal:	Crimp terminal
	Wire gauge:	0.14 - 2.5mm <sup>2</sup>
Hoods Housings	For TH10A series see page 36	

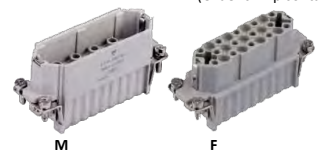
25+



Crimp terminal  
(Order crimp contacts separately)

Type	Male (M)	THD-025-M
	Female (F)	THD-025-F
Tech data	Rated current:	10A
	Rated voltage:	250V
	Terminal:	Crimp terminal
	Wire gauge:	0.14 - 2.5mm <sup>2</sup>
Hoods Housings	For TH16A series see page 36	

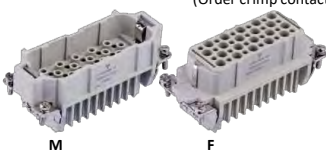
25+



Rolled crimp contacts  
(Order crimp contacts separately)

Type	Male (M)	THD-025-M
	Female (F)	THD-025-FJ
Tech data	Rated current:	10A
	Rated voltage:	250V
	Terminal:	Crimp terminal
	Wire gauge:	0.14 - 2.5mm <sup>2</sup>
Hoods Housings	For TH16A series see page 36	

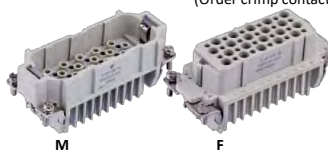
40+



Crimp terminal  
(Order crimp contacts separately)

Type	Male (M)	THD-040-M
	Female (F)	THD-040-F
Tech data	Rated current:	10A
	Rated voltage:	250V
	Terminal:	Crimp terminal
	Wire gauge:	0.14 - 2.5mm <sup>2</sup>
Hoods Housings	For TH16B series see page 41 to 42	

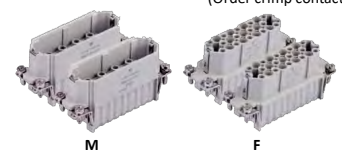
40+



Rolled crimp contacts  
(Order crimp contacts separately)

Type	Male (M)	THD-040-M
	Female (F)	THD-040-FJ
Tech data	Rated current:	10A
	Rated voltage:	250V
	Terminal:	Crimp terminal
	Wire gauge:	0.14 - 2.5mm <sup>2</sup>
Hoods Housings	For TH16B series see page 41 to 42	

50+



Crimp terminal  
(Order crimp contacts separately)

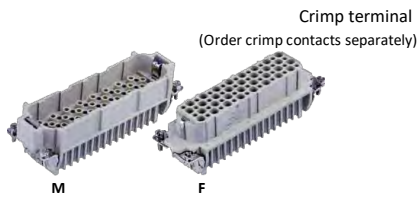
Type	Male (M)	THD-025-M (1-25)
	Female (F)	THD-025-M (1-25) THD-025-F (1-25) THD-025-F (1-25)
Tech data	Rated current:	10A
	Rated voltage:	250V
	Terminal:	Crimp terminal
	Wire gauge:	0.14 - 2.5mm <sup>2</sup>
Hoods Housings	For TH32A series see page 37	



## THD Series Connectors

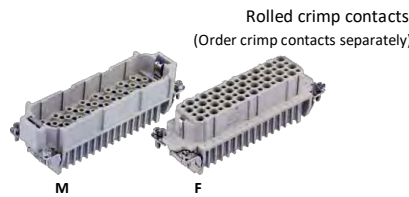
THD series inserts can match the THB series hoods and housings - see pages 35 to 46.

64 + 



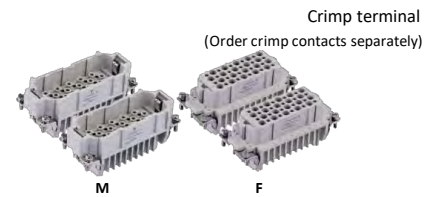
Type	Male (M)	THD-064-M
	Female (F)	THD-064-F
Tech data	Rated current:	10A
	Rated voltage:	250V
	Terminal:	Crimp terminal
	Wire gauge:	0.14 - 2.5mm <sup>2</sup>
Hoods Housings	For TH24B series see page 43 to 44	

64 + 



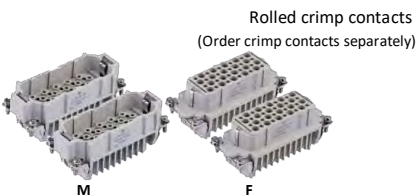
Type	Male (M)	THD-064-M
	Female (F)	THD-064-FJ
Tech data	Rated current:	10A
	Rated voltage:	250V
	Terminal:	Crimp terminal
	Wire gauge:	0.14 - 2.5mm <sup>2</sup>
Hoods Housings	For TH24B series see page 43 to 44	

80 + 



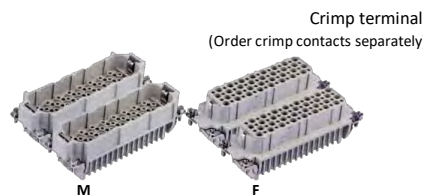
Type	Male (M)	THD-040-M (1-40) THD-040-M (41-80)
	Female (F)	THD-040-F (1-40) THD-040-F (41-80)
Tech data	Rated current:	10A
	Rated voltage:	250V
	Terminal:	Crimp terminal
	Wire gauge:	0.14 - 2.5mm <sup>2</sup>
Hoods Housings	For TH32B series see page 45	

80 + 



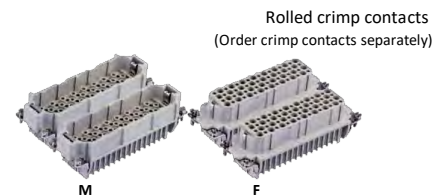
Type	Male (M)	THD-040-M (1-40) THD-040-M (41-80)
	Female (F)	THD-040-FJ (1-40) THD-040-FJ (41-80)
Tech data	Rated current:	10A
	Rated voltage:	250V
	Terminal:	Crimp terminal
	Wire gauge:	0.14 - 2.5mm <sup>2</sup>
Hoods Housings	For TH32B series see page 45	

128 + 



Type	Male (M)	THD-064-M (1-64) THD-064-M (65-128)
	Female (F)	THD-064-F (1-64) THD-064-F (65-128)
Tech data	Rated current:	10A
	Rated voltage:	250V
	Terminal:	Crimp terminal
	Wire gauge:	0.14 - 2.5mm <sup>2</sup>
Hoods Housings	For TH48B series see page 46	

128 + 



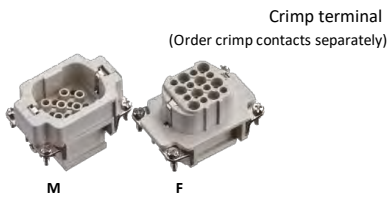
Type	Male (M)	THD-064-M (1-64) THD-064-M (65-128)
	Female (F)	THD-064-FJ (1-64) THD-064-FJ (65-128)
Tech data	Rated current:	10A
	Rated voltage:	250V
	Terminal:	Crimp terminal
	Wire gauge:	0.14 - 2.5mm <sup>2</sup>
Hoods Housings	For TH48B series see page 46	



## THDD Series Connectors

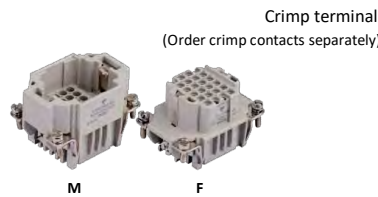
THDD series inserts can match the THB series hoods and housings - see pages 35 to 46.

16 +



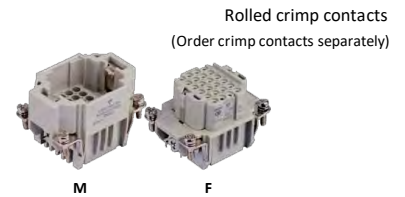
Type	Male (M)	THDD-016-M
	Female (F)	THDD-016-F
Tech data	Rated current:	10A
	Rated voltage:	250V
	Terminal:	Crimp terminal
	Wire gauge:	0.14 - 2.5mm <sup>2</sup>
Hoods Housings	For TH6B series see page 38	

24 +



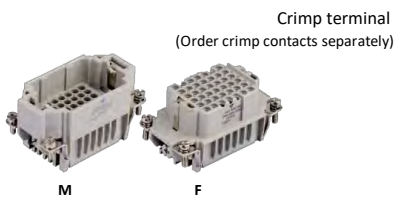
Type	Male (M)	THDD-024-M
	Female (F)	THDD-024-F
Tech data	Rated current:	10A
	Rated voltage:	250V
	Terminal:	Crimp terminal
	Wire gauge:	0.14 - 2.5mm <sup>2</sup>
Hoods Housings	For TH6B series see page 38	

24 +



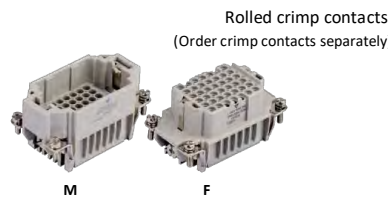
Type	Male (M)	THDD-024-M
	Female (F)	THDD-024-FJ
Tech data	Rated current:	10A
	Rated voltage:	250V
	Terminal:	Crimp terminal
	Wire gauge:	0.14 - 2.5mm <sup>2</sup>
Hoods Housings	For TH6B series see page 38	

42 +



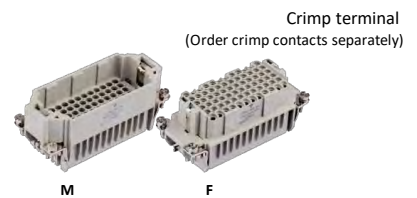
Type	Male (M)	THDD-042-M
	Female (F)	THDD-042-F
Tech data	Rated current:	10A
	Rated voltage:	250V
	Terminal:	Crimp terminal
	Wire gauge:	0.14 - 2.5mm <sup>2</sup>
Hoods Housings	For TH10B series see page 39 to 40	

42 +



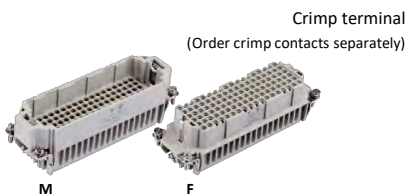
Type	Male (M)	THDD-042-M
	Female (F)	THDD-042-FJ
Tech data	Rated current:	10A
	Rated voltage:	250V
	Terminal:	Crimp terminal
	Wire gauge:	0.14 - 2.5mm <sup>2</sup>
Hoods Housings	For TH10B series see page 39 to 40	

72 +



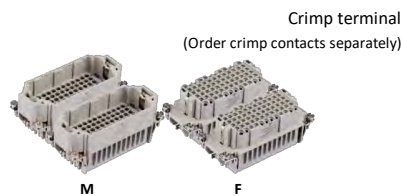
Type	Male (M)	THDD-072-M
	Female (F)	THDD-072-F
Tech data	Rated current:	10A
	Rated voltage:	250V
	Terminal:	Crimp terminal
	Wire gauge:	0.14 - 2.5mm <sup>2</sup>
Hoods Housings	For TH16B series see page 41 to 42	

108 +



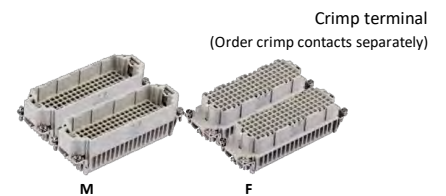
Type	Male (M)	THDD-108-M
	Female (F)	THDD-108-F
Tech data	Rated current:	10A
	Rated voltage:	250V
	Terminal:	Crimp terminal
	Wire gauge:	0.14 - 2.5mm <sup>2</sup>
Hoods Housings	For TH24B series see page 43 to 44	

144 +



Type	Male (M)	THDD-072-M (1-72) THDD-072-M (73-144)
	Female (F)	THDD-072-F (1-72) THDD-072-F (73-144)
Tech data	Rated current:	10A
	Rated voltage:	250V
	Terminal:	Crimp terminal
	Wire gauge:	0.14 - 2.5mm <sup>2</sup>
Hoods Housings	For TH32B series see page 45	

216 +



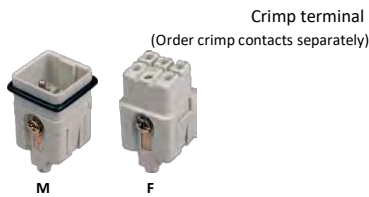
Type	Male (M)	THDD-108-M (1-108) THDD-108-M (109-216)
	Female (F)	THDD-108-F (1-108) THDD-108-F (109-216)
Tech data	Rated current:	10A
	Rated voltage:	250V
	Terminal:	Crimp terminal
	Wire gauge:	0.14 - 2.5mm <sup>2</sup>
Hoods Housings	For TH48B series see page 46	



## THQ Series Connectors

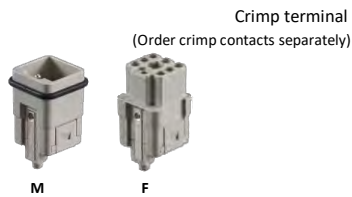
THQ series inserts can match the THA/THB series hoods and housings - see pages 35 to 37.

5+ 



Type	Male (M)	THQ-005-M
	Female (F)	THQ-005-F
Tech data	Rated current:	16A
	Rated voltage:	400V
	Terminal:	Crimp terminal
	Wire gauge:	0.5 - 4.0mm <sup>2</sup>
Hoods Housings	For TH3A series see page 35	

7+ 



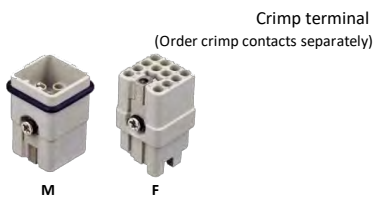
Type	Male (M)	THQ-007-M
	Female (F)	THQ-007-F
Tech data	Rated current:	10A
	Rated voltage:	400V
	Terminal:	Crimp terminal
	Wire gauge:	0.5 - 2.5mm <sup>2</sup>
Hoods Housings	For TH3A series see page 35	

8+ 



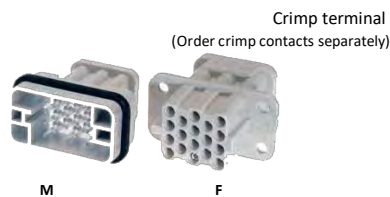
Type	Male (M)	THQ-008-M
	Female (F)	THQ-008-F
Tech data	Rated current:	16A
	Rated voltage:	500V
	Terminal:	Crimp terminal
	Wire gauge:	0.5 - 4.0mm <sup>2</sup>
Hoods Housings	For TH8A series see page 37	

12+ 



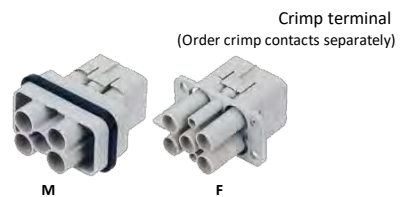
Type	Male (M)	THQ-012-M
	Female (F)	THQ-012-F
Tech data	Rated current:	10A
	Rated voltage:	400V
	Terminal:	Crimp terminal
	Wire gauge:	0.5 - 2.5mm <sup>2</sup>
Hoods Housings	For TH3A series see page 35	

17+ 



Type	Male (M)	THQ-017-M
	Female (F)	THQ-017-F
Tech data	Rated current:	10A
	Rated voltage:	250V
	Terminal:	Crimp terminal
	Wire gauge:	0.5 - 2.5mm <sup>2</sup>
Hoods Housings	For TH8A series see page 37	

4/2+ 

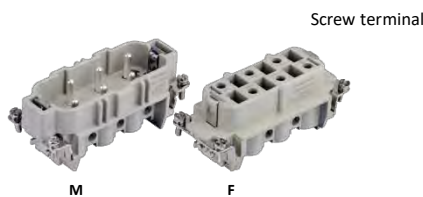


Type	Male (M)	THQ-4/2-M
	Female (F)	THQ-4/2-F
Tech data	Rated current:	40A/10A
	Rated voltage:	250V, 400V
	Terminal:	Crimp terminal
	Wire gauge:	1.5 - 10mm <sup>2</sup> / 0.5 - 2.5mm <sup>2</sup>
Hoods Housings	For TH8A series see page 37	

## THSB Series Connectors

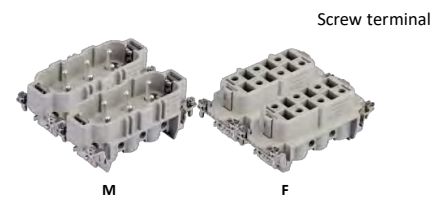
THSB series inserts can match the THB series hoods and housings - see pages 41 to 45.

6+ 



Type	Male (M)	THSB-006-M
	Female (F)	THSB-006-F
Tech data	Rated current:	35A
	Rated voltage:	690V
	Terminal:	Screw terminal
	Wire gauge:	0.5 - 6.0mm <sup>2</sup>
Hoods Housings	For TH16B series see page 41 to 42	

12+ 



Type	Male (M)	THSB-006-M (1-6)
		THSB-006-M (7-12)
	Female (F)	THSB-006-F (1-6)
		THSB-006-F (7-12)
Tech data	Rated current:	35A
	Rated voltage:	690V
	Terminal:	Screw terminal
	Wire gauge:	0.5 - 6.0mm <sup>2</sup>
Hoods Housings	For TH32B series see page 45	



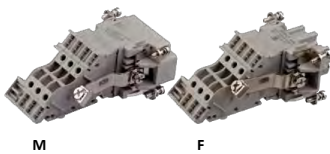
## THEAV Series Connectors

THEAV series inserts can match the THB series hoods and housings - see pages 38 to 46.

6 +



Screw terminal

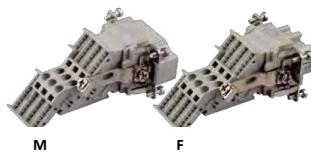


Type	Male (M)	THEAV-006-M
	Female (F)	THEAV-006-F
Tech data	Rated current:	16A
	Rated voltage:	500V
	Terminal:	Screw terminal
	Wire gauge:	0.2 - 2.5mm <sup>2</sup>
Hoods Housings	For TH6B series see page 38	

6 +



Spring terminal

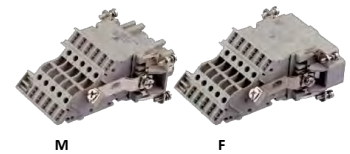


Type	Male (M)	THEAV-006-MS
	Female (F)	THEAV-006-FS
Tech data	Rated current:	16A
	Rated voltage:	500V
	Terminal:	Spring terminal
	Wire gauge:	0.2 - 2.5mm <sup>2</sup>
Hoods Housings	For TH6B series see page 38	

10 +



Screw terminal

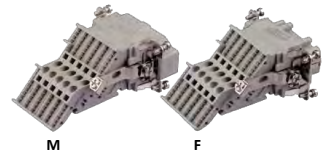


Type	Male (M)	THEAV-010-M
	Female (F)	THEAV-010-F
Tech data	Rated current:	16A
	Rated voltage:	500V
	Terminal:	Screw terminal
	Wire gauge:	0.2 - 2.5mm <sup>2</sup>
Hoods Housings	For TH10B series see page 39 to 40	

10 +



Spring terminal

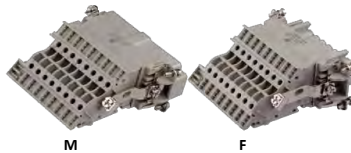


Type	Male (M)	THEAV-010-MS
	Female (F)	THEAV-010-FS
Tech data	Rated current:	16A
	Rated voltage:	500V
	Terminal:	Spring terminal
	Wire gauge:	0.2 - 2.5mm <sup>2</sup>
Hoods Housings	For TH10B series see page 39 to 40	

16 +



Screw terminal

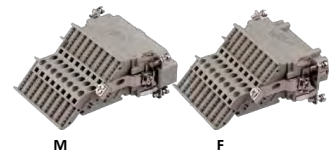


Type	Male (M)	THEAV-016-M
	Female (F)	THEAV-016-F
Tech data	Rated current:	16A
	Rated voltage:	500V
	Terminal:	Screw terminal
	Wire gauge:	0.2 - 2.5mm <sup>2</sup>
Hoods Housings	For TH16B series see page 41 to 42	

16 +



Spring terminal

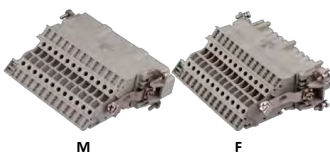


Type	Male (M)	THEAV-016-MS
	Female (F)	THEAV-016-FS
Tech data	Rated current:	16A
	Rated voltage:	500V
	Terminal:	Spring terminal
	Wire gauge:	0.2 - 2.5mm <sup>2</sup>
Hoods Housings	For TH16B series see page 41 to 42	

24 +



Screw terminal

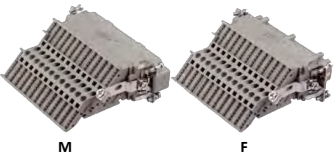


Type	Male (M)	THEAV-024-M
	Female (F)	THEAV-024-F
Tech data	Rated current:	16A
	Rated voltage:	500V
	Terminal:	Screw terminal
	Wire gauge:	0.2 - 2.5mm <sup>2</sup>
Hoods Housings	For TH24B series see page 43 to 44	

24 +



Spring terminal







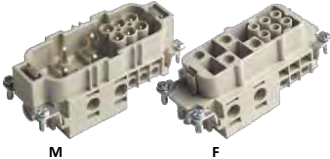

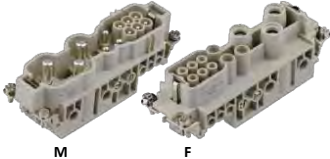
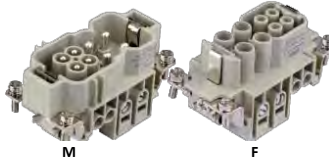
Type	Male (M)	THEAV-024-MS
	Female (F)	THEAV-024-FS
Tech data	Rated current:	16A
	Rated voltage:	500V
	Terminal:	Spring terminal
	Wire gauge:	0.2 - 2.5mm <sup>2</sup>
Hoods Housings	For TH24B series see page 43 to 44	







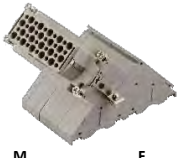
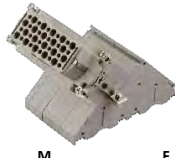
## THWK Series Connectors

THWK series inserts can match the THB series hoods and housings - see pages 39 to 44.

THWK4/6 + 		THWK6/6 + 		THWK3/6/6 + 		THWK4/4 + 						
												
Type	Male (M) Female (F)	THWK4/6-010-M THWK4/6-010-F	Type	Male (M) Female (F)	THWK6/6-012-M THWK6/6-012-F	Type	Male (M) Female (F)	THWK3/3/6-015-M THWK3/3/6-015-F	Type	Male (M) Female (F)	THWK4/4-008-M THWK4/4-008-F	
Tech data	Rated current:	35A, 16A	Rated current:	35A, 16A	Rated current:	100A, 40A, 16A	Rated current:	40A, 16A	Rated current:	40A, 16A	Rated current:	40A, 16A
	Rated voltage:	690V, 400V	Rated voltage:	690V, 400V	Rated voltage:	690V, 690V, 400V	Rated voltage:	690V, 400V	Rated voltage:	690V, 400V	Rated voltage:	690V, 400V
	Terminal:	Screw terminal	Terminal:	Screw terminal	Terminal:	Screw terminal	Terminal:	Screw terminal	Terminal:	Screw terminal	Terminal:	Screw terminal
	Wire gauge:	2.5 - 6.0mm <sup>2</sup> 1.0 - 2.5mm <sup>2</sup>	Wire gauge:	4.0 - 10.0mm <sup>2</sup> 1.0 - 2.5mm <sup>2</sup>	Wire gauge:	16.0 - 35.0mm <sup>2</sup> 2.5 - 6.0mm <sup>2</sup> 1.0 - 2.5mm <sup>2</sup>	Wire gauge:	2.5 - 6.0mm <sup>2</sup> 1.0 - 2.5mm <sup>2</sup>	Wire gauge:	2.5 - 6.0mm <sup>2</sup> 1.0 - 2.5mm <sup>2</sup>	Wire gauge:	2.5 - 6.0mm <sup>2</sup> 1.0 - 2.5mm <sup>2</sup>
Hoods Housings	For TH16B series see page 41 to 42		Hoods Housings	For TH16B series see page 41 to 42		Hoods Housings	For TH24B series see page 43 to 44		Hoods Housings	For TH10B series see page 39 to 40		

## THDAV Series Connectors

THDAV series inserts can match the THB series hoods and housings - see pages 40 to 44.

40 + 		64 + 				
						
Type	Male (M) Female (F)	THDAV-040-M THDAV-040-F	Type	Male (M) Female (F)	THDAV-064-M THDAV-064-F	
Tech data	Rated current:	10A	Rated current:	10A	Rated current:	10A
	Rated voltage:	250V	Rated voltage:	250V	Rated voltage:	250V
	Terminal:	Screw terminal	Terminal:	Screw terminal	Terminal:	Screw terminal
	Wire gauge:	0.25 - 2.5mm <sup>2</sup>	Wire gauge:	0.25 - 2.5mm <sup>2</sup>	Wire gauge:	0.25 - 2.5mm <sup>2</sup>
Hoods Housings	For TH16B series see page 40 to 41		Hoods Housings	For TH24B series see page 43 to 44		



## THK Series Connectors

THK series inserts can match the THB series hoods and housings - see pages 45 to 51.

### THKN4 +

Axial terminal



M F

Type	Male (M)	THKN4-004-M
	Female (F)	THKN4-004-F
Tech data	Rated current:	80A, 16A
	Rated voltage:	690V, 400V
	Terminal:	Axial terminal
	Wire gauge:	1.5 - 16mm <sup>2</sup>
Hoods Housings	For TH10B series see page 39 to 40	

### THK4/0 +

Screw terminal



M F

Type	Male (M)	THK4/0-004-M
	Female (F)	THK4/0-004-F
Tech data	Rated current:	80A, 16A
	Rated voltage:	690V, 400V
	Terminal:	Screw terminal
	Wire gauge:	1.5 - 16mm <sup>2</sup> 0.5 - 2.5mm <sup>2</sup>
Hoods Housings	For TH16B series see page 41 to 42	

### THK4/2 +

Screw terminal



M F

Type	Male (M)	THK4/2-006-M
	Female (F)	THK4/2-006-F
Tech data	Rated current:	80A, 16A
	Rated voltage:	690V, 400V
	Terminal:	Screw terminal
	Wire gauge:	1.5 - 16mm <sup>2</sup> 0.5 - 2.5mm <sup>2</sup>
Hoods Housings	For TH16B series see page 41 to 42	

### THK4/8 +

Screw terminal



M F

Type	Male (M)	THK4/8-012-M
	Female (F)	THK4/8-012-F
Tech data	Rated current:	80A, 16A
	Rated voltage:	690V, 400V
	Terminal:	Screw terminal
	Wire gauge:	1.5 - 16mm <sup>2</sup> 0.5 - 2.5mm <sup>2</sup>
Hoods Housings	For TH24B series see page 43 to 44	

### THK6/6 +

Axial terminal



M F

Type	Male (M)	THK6/6-012-M
	Female (F)	THK6/6-012-F
Tech data	Rated current:	100A, 16A
	Rated voltage:	690V, 400V
	Terminal:	Axial terminal
	Wire gauge:	16 - 35mm <sup>2</sup> 0.5 - 2.5mm <sup>2</sup>
Hoods Housings	For TH24B series see page 43 to 44	

### THK6/12 +

Axial terminal



M F

Type	Male (M)	THK6/12-018-M
	Female (F)	THK6/12-018-F
Tech data	Rated current:	40A, 10A
	Rated voltage:	690V, 400V
	Terminal:	Axial terminal
	Wire gauge:	2.5 - 10mm <sup>2</sup> 0.5 - 2.5mm <sup>2</sup>
Hoods Housings	For TH16B series see page 41 to 42	

### THK12/2 +

Crimp terminal  
(Order crimp contacts separately)



M F

Type	Male (M)	THK12/2-014-M
	Female (F)	THK12/2-014-F
Tech data	Rated current:	40A, 10A
	Rated voltage:	690V, 250V
	Terminal:	Crimp terminal
	Wire gauge:	1.5 - 6mm <sup>2</sup> 0.14 - 2.5mm <sup>2</sup>
Hoods Housings	For TH16B series see page 41 to 42	

### THK6/36 +

Crimp terminal  
(Order crimp contacts separately)



M F

Type	Male (M)	THK6/36-042-M
	Female (F)	THK6/36-042-F
Tech data	Rated current:	40A, 10A
	Rated voltage:	690V, 250V
	Terminal:	Crimp terminal
	Wire gauge:	1.5 - 6mm <sup>2</sup> 0.14 - 2.5mm <sup>2</sup>
Hoods Housings	For TH16B series see page 48 to 49	

### THK8/0 +

Axial terminal

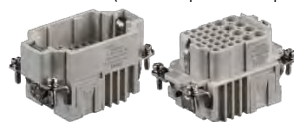


M F

Type	Male (M)	THK8/0-008-M
	Female (F)	THK8/0-008-F
Tech data	Rated current:	100A
	Rated voltage:	690V
	Terminal:	Axial terminal
	Wire gauge:	16 - 35mm <sup>2</sup>
Hoods Housings	For TH24B series see page 43 to 44	

### THK8/24 +

Crimp terminal  
(Order crimp contacts separately)



M F

Type	Male (M)	THK8/24-032-M
	Female (F)	THK8/24-032-F
Tech data	Rated current:	16A, 10A
	Rated voltage:	400V, 250V
	Terminal:	Crimp terminal
	Wire gauge:	0.5 - 4.0mm <sup>2</sup> 0.14 - 2.5mm <sup>2</sup>
Hoods Housings	For TH10B series see page 39 to 40	



## THMN Modular Series Connectors Overview

TH10A



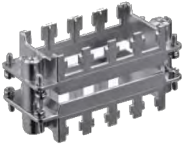
TH6B



TH10B



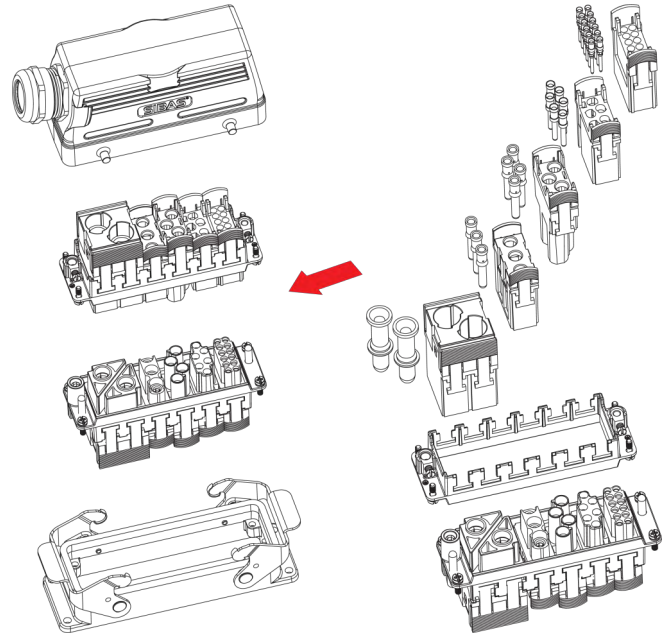
TH16B



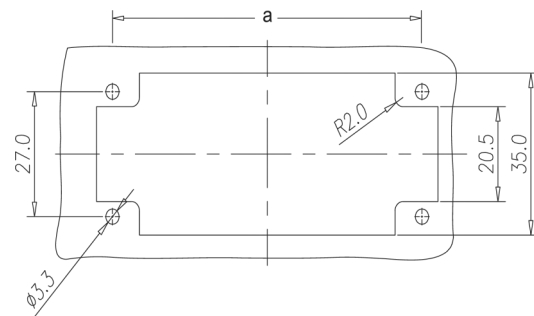
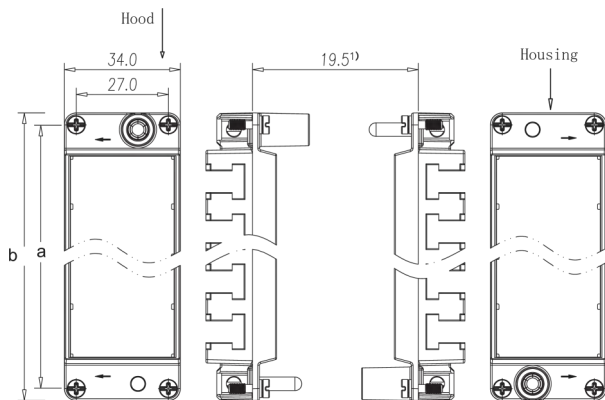
TH24B



Modular units - install and remove without special tools!



## THMN Module Fixing Frame



Hood Housing	No. of Modules	a	b
TH10A	1	49.5	56.5
TH6B	2	44	51
TH10B	3	57	64.1
TH16B	4	77.5	84.5
TH24B	6	104	111

Distance for electrical contacts max 21mm  
 For pneumatic contacts max 20.5mm  
 Each frame is composed of an upper and a lower bracket.

Parameter	Size	Designation
TH10A frame for 1 module	TH10A	TH10A-T1-M TH10A-T1-F
TH6B frame for 2 modules	TH6B	TH6BN-T2
TH10B frame for 3 modules	TH10B	TH10BN-T3
TH16B frame for 4 modules	TH16B	TH16BN-T4
TH24B frame for 6 modules	TH24B	TH24BN-T6



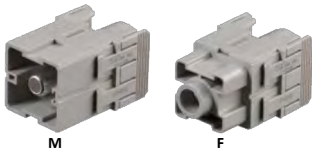


## THMN Modular Series Connectors

THMN-001/D2/020

### 1-pos

Axial screw terminal



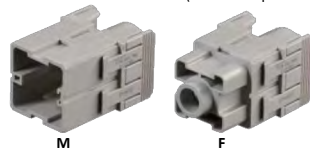
M

F

Type	Male (M)	THMN-001-M (25-40mm <sup>2</sup> )
	Female (F)	THMN-001-F (25-40mm <sup>2</sup> )
Tech data	Rated current:	200A
	Rated voltage:	1000V
	Terminal:	Axial screw terminal
	Wire gauge:	25 - 40mm <sup>2</sup> / 40 - 70mm <sup>2</sup>
Type	Male (M)	THMN-001-MD (40-70mm <sup>2</sup> )
	Female (F)	THMN-001-FD (40-70mm <sup>2</sup> )

### 1-pos

Crimp terminal  
(Order crimp contacts separately)



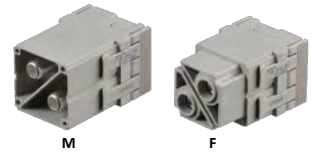
M

F

Type	Male (M)	THMN-001-MC
	Female (F)	THMN-001-FC
Tech data	Rated current:	200A
	Rated voltage:	1000V
	Terminal:	Crimp terminal
	Wire gauge:	25 - 70mm <sup>2</sup>
Type	Male (M)	THMN-001-MD (40-70mm <sup>2</sup> )
	Female (F)	THMN-001-FD (40-70mm <sup>2</sup> )

### 2-pos

Axial screw terminal



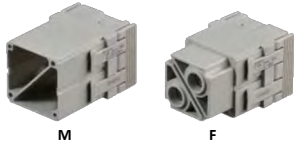
M

F

Type	Male (M)	THMN-D2-M (10-25mm <sup>2</sup> )
	Female (F)	THMN-D2-F (10-25mm <sup>2</sup> )
Tech data	Rated current:	100A
	Rated voltage:	1000V
	Terminal:	Axial screw terminal
	Wire gauge:	10 - 35mm <sup>2</sup>
Type	Male (M)	THMN-D2-MD (16-35mm <sup>2</sup> )
	Female (F)	THMN-D2-FD (16-35mm <sup>2</sup> )

### 2-pos

Crimp terminal  
(Order crimp contacts separately)



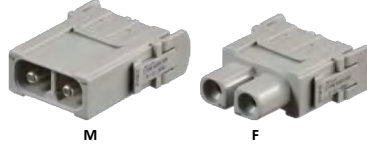
M

F

Type	Male (M)	THMN-D2-MC
	Female (F)	THMN-D2-FC
Tech data	Rated current:	100A
	Rated voltage:	1000V
	Terminal:	Crimp terminal
	Wire gauge:	10 - 35mm <sup>2</sup>
Type	Male (M)	THMN-D2-MD (6-10mm <sup>2</sup> )
	Female (F)	THMN-D2-FD (6-10mm <sup>2</sup> )

### 2-pos

Axial screw terminal



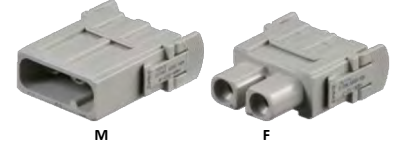
M

F

Type	Male (M)	THMN-S2-M (2.5-8mm <sup>2</sup> )
	Female (F)	THMN-S2-F (2.5-8mm <sup>2</sup> )
Tech data	Rated current:	40A
	Rated voltage:	1000V
	Terminal:	Axial screw terminal
	Wire gauge:	2.5 - 8.0mm <sup>2</sup> / 6 - 10mm <sup>2</sup>
Type	Male (M)	THMN-S2-MD (6-10mm <sup>2</sup> )
	Female (F)	THMN-S2-FD (6-10mm <sup>2</sup> )

### 2-pos

Crimp terminal  
(Order crimp contacts separately)



M

F

Type	Male (M)	THMN-S2-MC
	Female (F)	THMN-S2-FC
Tech data	Rated current:	40A
	Rated voltage:	1000V
	Terminal:	Crimp terminal
	Wire gauge:	1.5 - 10.0mm <sup>2</sup>
Type	Male (M)	THMN-S2-MD (6-10mm <sup>2</sup> )
	Female (F)	THMN-S2-FD (6-10mm <sup>2</sup> )

### 2-pos

Axial screw terminal



M

F

Type	Male (M)	THMN-70A-M (6-16mm <sup>2</sup> )
	Female (F)	THMN-70A-F (6-16mm <sup>2</sup> )
Tech data	Rated current:	70A
	Rated voltage:	1000V
	Terminal:	Axial screw terminal
	Wire gauge:	10 - 25mm <sup>2</sup>
Type	Male (M)	THMN-70A-MD (14-22mm <sup>2</sup> )
	Female (F)	THMN-70A-FD (14-22mm <sup>2</sup> )

### 2-pos

Crimp terminal  
(Order crimp contacts separately)



M

F

Type	Male (M)	THMN-70A-MC (6-16mm <sup>2</sup> )
	Female (F)	THMN-70A-FC (6-16mm <sup>2</sup> )
Tech data	Rated current:	70A
	Rated voltage:	1000V
	Terminal:	Crimp terminal
	Wire gauge:	10 - 25mm <sup>2</sup>
Type	Male (M)	THMN-70A-MD (14-22mm <sup>2</sup> )
	Female (F)	THMN-70A-FD (14-22mm <sup>2</sup> )

### 3-pos

Crimp terminal  
(Order crimp contacts separately)



M

F

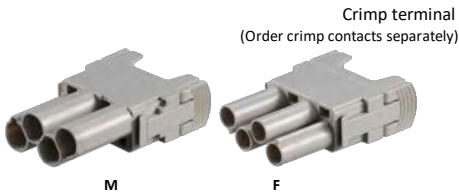
Type	Male (M)	THMN-003-M
	Female (F)	THMN-003-F
Tech data	Rated current:	40A
	Rated voltage:	690V
	Terminal:	Crimp terminal
	Wire gauge:	1.5 - 10.0mm <sup>2</sup>



## THMN Modular Series Connectors

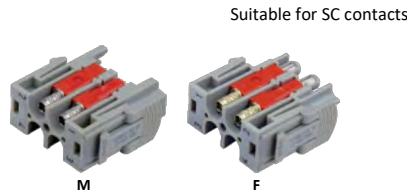
### THMN-001/D2/020

#### 4-pos



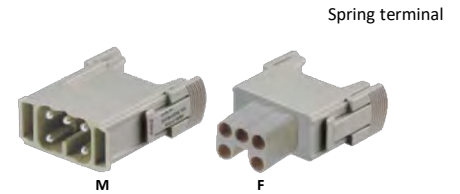
Type	Male (M)	THMN-004-M
	Female (F)	THMN-004-F
Tech data	Rated current:	40A
	Rated voltage:	830V
	Terminal:	Crimp terminal
	Wire gauge:	1.5 - 6.0mm <sup>2</sup>

#### 4-pos



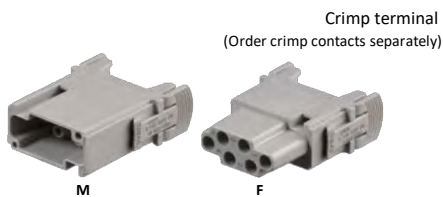
Type	Male (M)	THMN-004-MSC
	Female (F)	THMN-004-FSC
Tech data	Rated current:	16A, 10A
	Rated voltage:	400V, 250V
	Terminal:	Suitable for SC contacts
	Wire gauge:	0.5 - 4.0mm <sup>2</sup>

#### 5-pos



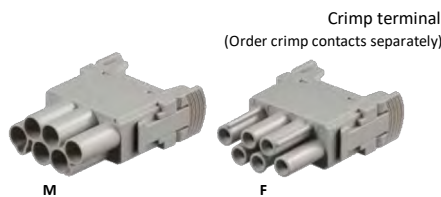
Type	Male (M)	THMN-005-MS
	Female (F)	THMN-005-FS
Tech data	Rated current:	16A
	Rated voltage:	400V
	Terminal:	Spring terminal
	Wire gauge:	0.14 - 2.5mm <sup>2</sup>

#### 6-pos



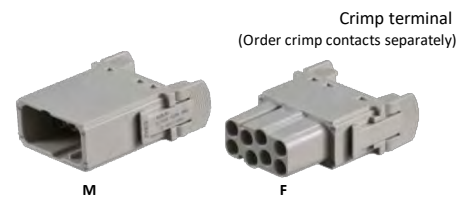
Type	Male (M)	THMN-006-M
	Female (F)	THMN-006-F
Tech data	Rated current:	16A
	Rated voltage:	500V
	Terminal:	Crimp terminal
	Wire gauge:	0.14 - 4.0mm <sup>2</sup>

#### 6-pos



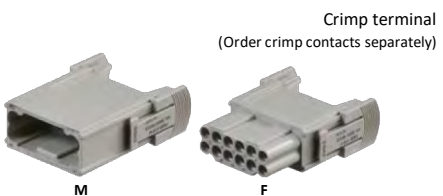
Type	Male (M)	THMN-006-PM
	Female (F)	THMN-006-PF
Tech data	Rated current:	16A
	Rated voltage:	830V
	Terminal:	Crimp terminal
	Wire gauge:	0.14 - 4.0mm <sup>2</sup>

#### 8-pos



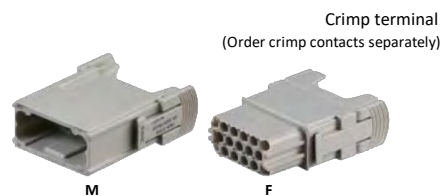
Type	Male (M)	THMN-008-M
	Female (F)	THMN-008-F
Tech data	Rated current:	16A
	Rated voltage:	400V
	Terminal:	Crimp terminal
	Wire gauge:	0.14 - 4.0mm <sup>2</sup>

#### 12-pos



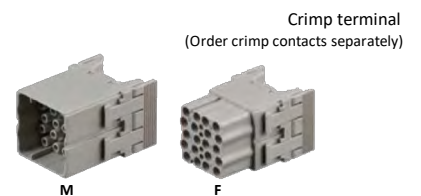
Type	Male (M)	THMN-012-M
	Female (F)	THMN-012-F
Tech data	Rated current:	10A
	Rated voltage:	250V
	Terminal:	Crimp terminal
	Wire gauge:	0.14 - 2.5mm <sup>2</sup>

#### 17-pos



Type	Male (M)	THMN-017-M
	Female (F)	THMN-017-F
Tech data	Rated current:	10A
	Rated voltage:	160V
	Terminal:	Crimp terminal
	Wire gauge:	0.14 - 2.5mm <sup>2</sup>

#### 20-pos



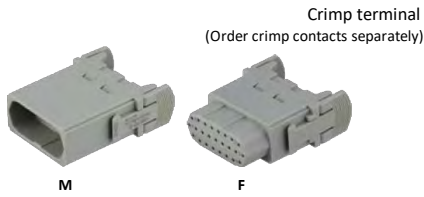
Type	Male (M)	THMN-020-M
	Female (F)	THMN-020-F
Tech data	Rated current:	16A
	Rated voltage:	500V
	Terminal:	Crimp terminal
	Wire gauge:	0.14 - 4.0mm <sup>2</sup>



## THMN Modular Series Connectors

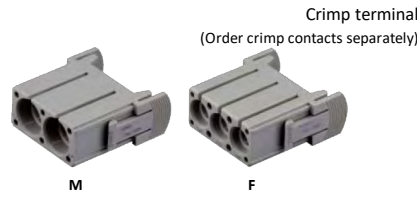
THMN-001/D2/020

### 25-pos



Type	Male (M)	THMN-025-M
	Female (F)	THMN-025-F
Tech data	Rated current:	5A
	Rated voltage:	50V
	Terminal:	Crimp terminal
	Wire gauge:	0.08 - 0.52mm <sup>2</sup>

### 2 and 3-pos



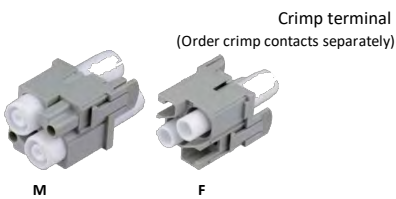
Type	Two poles	THMN-PA2
	Three poles	THMN-PA3
Tech data	Rated current:	40A, 10A
	Rated voltage:	690V, 250V
	Terminal:	Crimp terminal
	Wire gauge:	3mm/4mm/6mm

### Dummy Module Insert



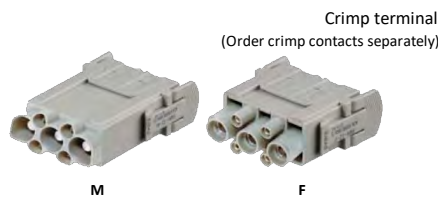
2 Poles Ø6.0mm	TPENU-PA2-6.0
3 Poles Ø1.6mm	TPENU-PA3-1.6
3 Poles Ø3.0mm	TPENU-PA3-3.0
3 Poles Ø4.0mm	TPENU-PA3-4.0

### 2-pos



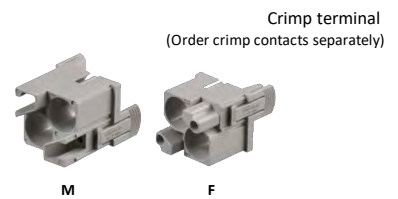
Type	Male (M)	THMN-H2-M
	Female (F)	THMN-H2-F
Tech data	Rated current:	16A
	Rated voltage:	2900V, 5000V
	Terminal:	Crimp terminal
	Wire gauge:	0.14 - 4.0mm <sup>2</sup>

### 3/4



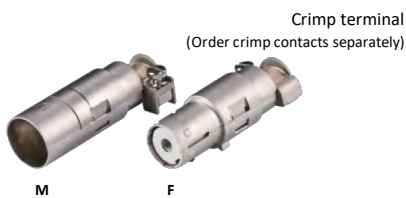
Type	Male (M)	THMN-3/4-M
	Female (F)	THMN-3/4-F
Tech data	Rated current:	10A, 40A
	Rated voltage:	830V
	Terminal:	Crimp terminal
	Wire gauge:	1.5 - 10mm <sup>2</sup> /0.14 - 2.5mm <sup>2</sup>

### Quintax 2-pos



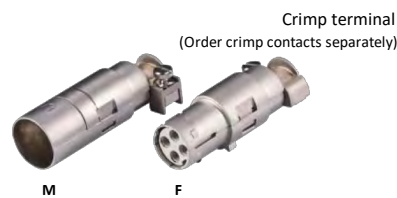
Type	Male (M)	THMN-Q2-M
	Female (F)	THMN-Q2-F
Tech data	Rated current:	10A
	Rated voltage:	50V
	Terminal:	Crimp terminal
	Wire gauge:	0.14 - 4.0mm <sup>2</sup>

### Quintax 1-pos



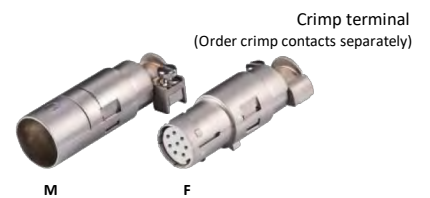
Type	Male (M)	TQuintax-001-M
	Female (F)	TQuintax-001-F
Tech data	Rated current:	16A
	Rated voltage:	50V
	Terminal:	Crimp terminal
	Wire gauge:	0.5 - 4.0mm <sup>2</sup>

### Quintax 4-pos



Type	Male (M)	TQuintax-004-M
	Female (F)	TQuintax-004-F
Tech data	Rated current:	10A
	Rated voltage:	50V
	Terminal:	Crimp terminal
	Wire gauge:	0.14 - 2.5mm <sup>2</sup>

### Quintax 8-pos



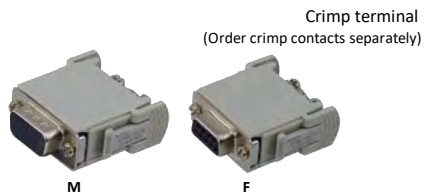
Type	Male (M)	TQuintax-008-M
	Female (F)	TQuintax-008-F
Tech data	Rated current:	5A
	Rated voltage:	50V
	Terminal:	Crimp terminal
	Wire gauge:	0.08 - 0.52mm <sup>2</sup>



## THMN Modular Series Connectors

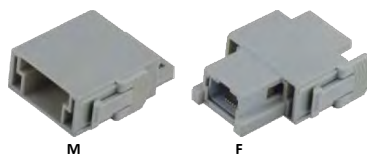
THMN-001/D2/020

### D-Sub



Type	Male (M)	THMN-009-M
	Female (F)	THMN-009-F
Tech data	Rated current:	5A
	Rated voltage:	50V
	Terminal:	Crimp terminal

### RJ45



Type	Male (M)	THMN-RJ45-M
	Female (F)	THMN-RJ45-F
Tech data	Rated current:	1A
	Rated voltage:	50V
	Terminal:	Crimp terminal
	Wire gauge:	0.89 - 0.99mm <sup>2</sup> , 0.94 - 1.07mm <sup>2</sup>

### Pneumatic Contacts



Type	Inserts	THMN-DM
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## Tools, Crimp Contacts, Inserts, Rail Mounting Elements and Other Connectors

### Tools and Accessories

#### Crimping Tools

##### Crimping tool

Wire range: 0.5 - 4.0mm<sup>2</sup>  
Used for HD, HDD, HEE contacts



Type TCRIMPBOX-0.5/4.0

##### Crimping tool

Wire range: 4.0 - 10.0mm<sup>2</sup>  
Used for 40A contacts



Type TCRIMPBOX-4.0/10.0

#### Removal Tools

##### Removal tool

Used for THEE series



Type TREMOV-THEE

##### Removal tool

Used for THEEE series



Type TREMOV-THEEE

##### Removal tool

Used for THD/THDD series



Type TREMOV-THD

##### Removal tool

Used for TCMM/TCFM series



Type TREMOV-TMM

#### Axial Screw and Crimping Tools

##### M3 screw driver

Used for THA/THE inserts



Type TSCREWD-M3

##### Tool

Used for 100A inserts



Type THEXA-D1

##### Tool

Used for 40A inserts



Type THEXA-D2

##### Crimping tool

Wire range: 10.0 - 120.0mm<sup>2</sup>  
Used for 200A contacts



Type TCRIMPBOX-10/120

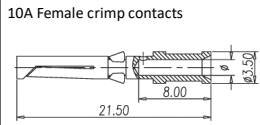
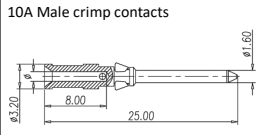


## Tools, Crimp Contacts, Inserts, Rail Mounting Elements and Other Connectors

### Crimp Contacts

#### 10A Contact

**Tech data**  
 Material: Copper  
 Contact resistance:  $\leq 3m\Omega$   
 Terminal: Crimp connection

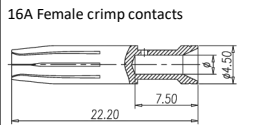
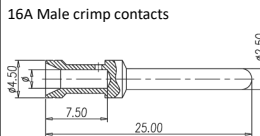


Wire gauge		Stripping length	Crimp contacts, silver-plated		Crimp contacts, gold-plated	
			Type	Type		
0.14mm <sup>2</sup>	AWG26 - 22	8.0mm	TCDM-0.14	TDDM-0.14		
0.5mm <sup>2</sup>	AWG20	8.0mm	TCDM-0.5	TDDM-0.5		
0.75mm <sup>2</sup>	AWG18	8.0mm	TCDM-0.75	TDDM-0.75		
1.0mm <sup>2</sup>	AWG18	8.0mm	TCDM-1.0	TDDM-1.0		
1.5mm <sup>2</sup>	AWG16	8.0mm	TCDM-1.5	TDDM-1.5		
2.5mm <sup>2</sup>	AWG14	6.0mm	TCDM-2.5	TDDM-2.5		

Wire gauge		Stripping length	Crimp contacts, silver-plated		Crimp contacts, gold-plated	
			Type	Type		
0.14mm <sup>2</sup>	AWG26 - 22	8.0mm	TCDF-0.14	TDDF-0.14		
0.5mm <sup>2</sup>	AWG20	8.0mm	TCDF-0.5	TDDF-0.5		
0.75mm <sup>2</sup>	AWG18	8.0mm	TCDF-0.75	TDDF-0.75		
1.0mm <sup>2</sup>	AWG18	8.0mm	TCDF-1.0	TDDF-1.0		
1.5mm <sup>2</sup>	AWG16	8.0mm	TCDF-1.5	TDDF-1.5		
2.5mm <sup>2</sup>	AWG14	6.0mm	TCDF-2.5	TDDF-2.5		

#### 16A Contact

**Tech data**  
 Material: Copper  
 Contact resistance:  $\leq 1m\Omega$   
 Terminal: Crimp connection

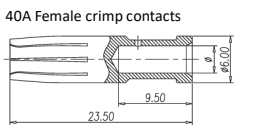
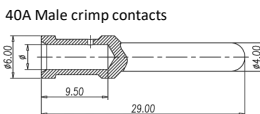


Wire gauge		Stripping length	Crimp contacts, silver-plated		Crimp contacts, gold-plated	
			Type	Type		
0.14-0.37mm <sup>2</sup>	AWG26 - 22	7.5mm	TCEM-0.3	TDEM-0.3		
0.5mm <sup>2</sup>	AWG20	7.5mm	TCEM-0.5	TDEM-0.5		
0.75mm <sup>2</sup>	AWG18	7.5mm	TCEM-0.75	TDEM-0.75		
1.0mm <sup>2</sup>	AWG18	7.5mm	TCEM-1.0	TDEM-1.0		
1.5mm <sup>2</sup>	AWG16	7.5mm	TCEM-1.5	TDEM-1.5		
2.5mm <sup>2</sup>	AWG14	7.5mm	TCEM-2.5	TDEM-2.5		
4.0mm <sup>2</sup>	AWG12	7.5mm	TCEM-4.0	TDEM-4.0		

Wire gauge		Stripping length	Crimp contacts, silver-plated		Crimp contacts, gold-plated	
			Type	Type		
0.14-0.37mm <sup>2</sup>	AWG26 - 22	7.5mm	TCEF-0.3	TDEF-0.3		
0.5mm <sup>2</sup>	AWG20	7.5mm	TCEF-0.5	TDEF-0.5		
0.75mm <sup>2</sup>	AWG18	7.5mm	TCEF-0.75	TDEF-0.75		
1.0mm <sup>2</sup>	AWG18	7.5mm	TCEF-1.0	TDEF-1.0		
1.5mm <sup>2</sup>	AWG16	7.5mm	TCEF-1.5	TDEF-1.5		
2.5mm <sup>2</sup>	AWG14	7.5mm	TCEF-2.5	TDEF-2.5		
4.0mm <sup>2</sup>	AWG12	7.5mm	TCEF-4.0	TDEF-4.0		

#### 40A Contact

**Tech data**  
 Material: Copper  
 Contact resistance:  $\leq 0.3m\Omega$   
 Terminal: Crimp connection

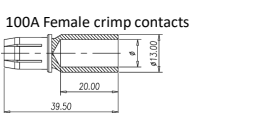
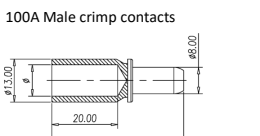


Wire gauge		Stripping length	Crimp contacts, silver-plated		Crimp contacts, gold-plated	
			Type	Type		
1.5mm <sup>2</sup>	AWG16	8.0mm	TCMM-1.5	TDMM-1.5		
2.5mm <sup>2</sup>	AWG14	8.0mm	TCMM-2.5	TDMM-2.5		
4.0mm <sup>2</sup>	AWG12	8.0mm	TCMM-4.0	TDMM-4.0		
6.0mm <sup>2</sup>	AWG10	8.0mm	TCMM-6.0	TDMM-6.0		
10.0mm <sup>2</sup>	AWG7	8.0mm	TCMM-10.0	TDMM-10.0		

Wire gauge		Stripping length	Crimp contacts, silver-plated		Crimp contacts, gold-plated	
			Type	Type		
1.5mm <sup>2</sup>	AWG16	8.0mm	TCMF-1.5	TDMF-1.5		
2.5mm <sup>2</sup>	AWG14	8.0mm	TCMF-2.5	TDMF-2.5		
4.0mm <sup>2</sup>	AWG12	8.0mm	TCMF-4.0	TDMF-4.0		
6.0mm <sup>2</sup>	AWG10	8.0mm	TCMF-6.0	TDMF-6.0		
10.0mm <sup>2</sup>	AWG7	8.0mm	TCMF-10.0	TDMF-10.0		

#### 100A Contact

**Tech data**  
 Material: Copper  
 Contact resistance:  $\leq 1m\Omega$   
 Terminal: Crimp connection



Wire gauge	$\varnothing$	Stripping length	Crimp contacts, silver-plated		Crimp contacts, gold-plated	
			Type	Type		
10mm <sup>2</sup>	4.3	19mm	TCNM-10	TDNM-10		
16mm <sup>2</sup>	5.5	19mm	TCNM-16	TDNM-16		
25mm <sup>2</sup>	7.0	19mm	TCNM-25	TDNM-25		
35mm <sup>2</sup>	8.2	16mm	TCNM-35	TDNM-35		

Wire gauge	$\varnothing$	Stripping length	Crimp contacts, silver-plated		Crimp contacts, gold-plated	
			Type	Type		
10mm <sup>2</sup>	4.3	19mm	TCNF-10	TDNF-10		
16mm <sup>2</sup>	5.5	19mm	TCNF-16	TDNF-16		
25mm <sup>2</sup>	7.0	19mm	TCNF-25	TDNF-25		
35mm <sup>2</sup>	8.2	16mm	TCNF-35	TDNF-35		

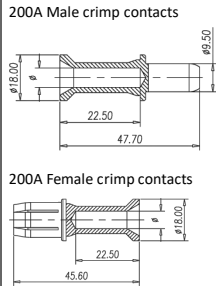


## Tools, Crimp Contacts, Inserts, Rail Mounting Elements and Other Connectors

### Crimp Contacts

#### 200A Contact

**Tech data**  
 Material: Copper  
 Contact resistance:  $\leq 0.3m\Omega$   
 Terminal: Crimp connection

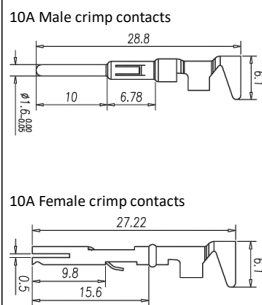
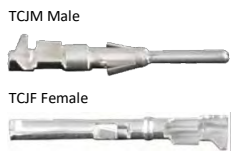


Wire gauge	$\phi$	Stripping length	Crimp contacts, silver-plated		Crimp contacts, gold-plated	
			Type	Type		
25mm <sup>2</sup>	7.0	22.5mm	TCHM-25	TDHM-25		
35mm <sup>2</sup>	8.2	22.5mm	TCHM-35	TDHM-35		
50mm <sup>2</sup>	10.0	22.5mm	TCHM-50	TDHM-50		
70mm <sup>2</sup>	11.5	22.5mm	TCHM-70	TDHM-70		

Wire gauge	$\phi$	Stripping length	Crimp contacts, silver-plated		Crimp contacts, gold-plated	
			Type	Type		
25mm <sup>2</sup>	7.0	22.5mm	TCHF-25	TDHF-25		
35mm <sup>2</sup>	8.2	22.5mm	TCHF-35	TDHF-35		
50mm <sup>2</sup>	10.0	22.5mm	TCHF-50	TDHF-50		
70mm <sup>2</sup>	11.5	22.5mm	TCHF-70	TDHF-70		

#### Cage Clamp Terminal

**Tech data**  
 Material: Copper  
 Contact resistance:  $\leq 3m\Omega$   
 Terminal: Crimp connection

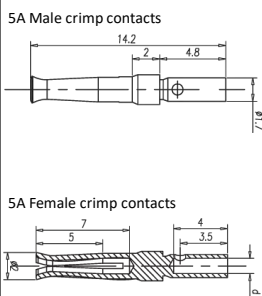
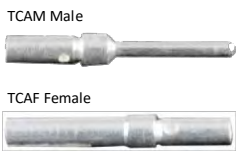


Wire gauge		Stripping length	Crimp contacts, silver-plated		Crimp contacts, gold-plated	
			Type	Type		
0.14-0.5mm <sup>2</sup>	AWG26 - 20	4.0mm	TCJM-14	TDJM-14		
0.5-1.5mm <sup>2</sup>	AWG20 - 16	4.0mm	TCJM-50	TDJM-50		
1.5-2.5mm <sup>2</sup>	AWG16 - 14	4.0mm	TCJM-150	TDJM-150		

Wire gauge		Stripping length	Crimp contacts, silver-plated		Crimp contacts, gold-plated	
			Type	Type		
0.14-0.5mm <sup>2</sup>	AWG26 - 20	4.0mm	TCJF-14	TDJF-14		
0.5-1.5mm <sup>2</sup>	AWG20 - 16	4.0mm	TCJF-50	TDJF-50		
1.5-2.5mm <sup>2</sup>	AWG16 - 14	4.0mm	TCJF-150	TDJF-150		

#### 5A Contact

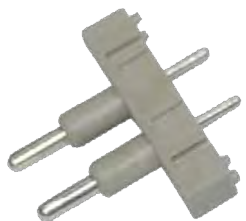
**Tech data**  
 Material: Copper  
 Contact resistance:  $\leq 1m\Omega$   
 Terminal: Crimp connection



Wire gauge		Stripping length	Crimp contacts, silver-plated		Crimp contacts, gold-plated	
			Type	Type		
0.08-0.21mm <sup>2</sup>	AWG28 - 24	5.0mm	TCAM-08	TDAM-08		
0.13-0.33mm <sup>2</sup>	AWG26 - 22	5.0mm	TCAM-13	TDAM-13		
0.33-0.52mm <sup>2</sup>	AWG22 - 20	5.0mm	TCAM-33	TDAM-33		

Wire gauge		Stripping length	Crimp contacts, silver-plated		Crimp contacts, gold-plated	
			Type	Type		
0.08-0.21mm <sup>2</sup>	AWG28 - 24	5.0mm	TCAF-08	TDAF-08		
0.13-0.33mm <sup>2</sup>	AWG26 - 22	5.0mm	TCAF-13	TDAF-13		
0.33-0.52mm <sup>2</sup>	AWG22 - 20	5.0mm	TCAF-33	TDAF-33		

#### PCB Adaptor



Type PCB-Adaptor-EE



Type CEF-Adaptor



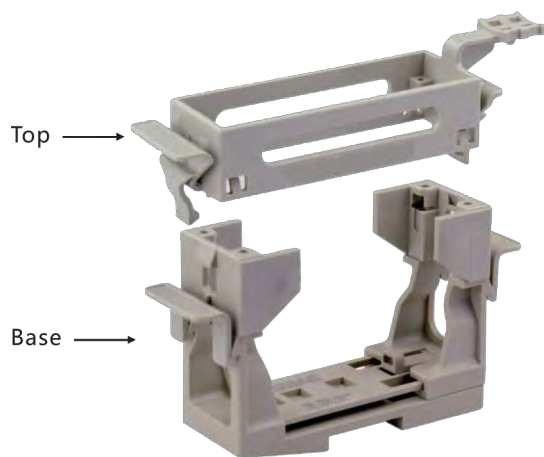
## Tools, Crimp Contacts, Inserts, Rail Mounting Elements and Other Connectors

### Insert Mounting Elements



#### Set

Insert mounting with carrier element  
Set includes: Top and base frame



#### Size Order

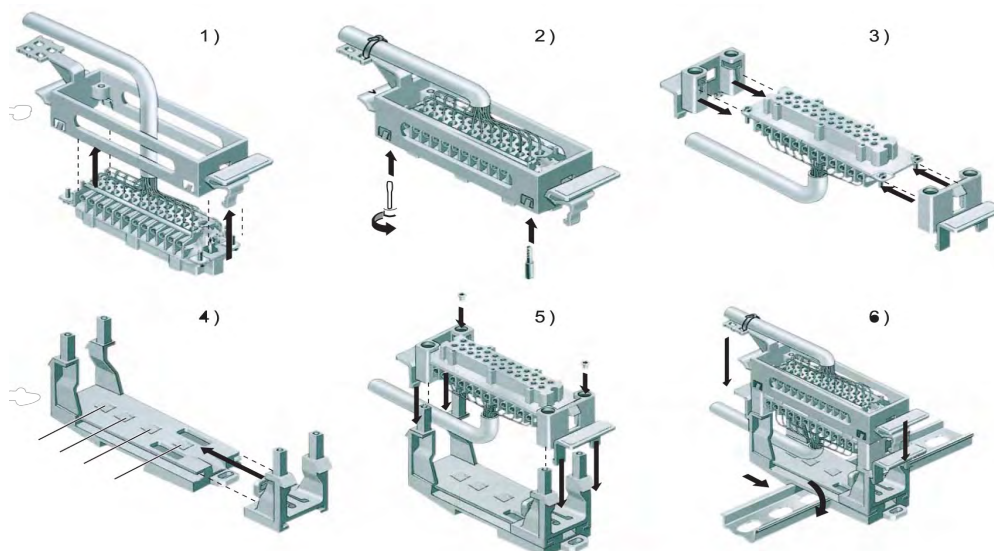
#### Type

TH6B Set	TH6B-Rail-set
TH10B Set	TH10B-Rail-set
TH16B Set	TH16B-Rail-set
TH24B Set	TH24B-Rail-set

#### Parts Order

#### Type

TH6B Set	Top	TH6B-Rail-top
	Base	TH6B-Rail-base
TH10B Set	Top	TH10B-Rail-top
	Base	TH10B-Rail-base
TH16B Set	Top	TH16B-Rail-top
	Base	TH16B-Rail-base
TH24B Set	Top	TH24B-Rail-top
	Base	TH24B-Rail-base







## Tools, Crimp Contacts, Inserts, Rail Mounting Elements and Other Connectors

### Installation Elements

#### Modular Elements (Traditional)

#### Type

Traditional  
Module clamp without wire clamp



THM-MHMZ

Traditional  
Module clamp with wire clamp



THM-MHOZ

Traditional  
Module clamp for rail



THM-RAIL

#### Coding of Hoods/Housings and Inserts

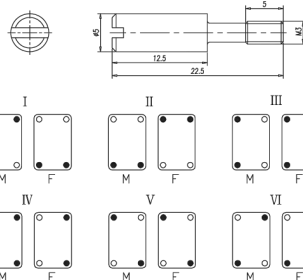
#### Type

Standard code pin

For hoods/housings with one insert/one frame



Stainless steel

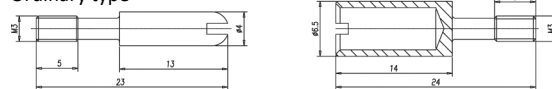


Ordinary type  
TCOD-PIN-M3

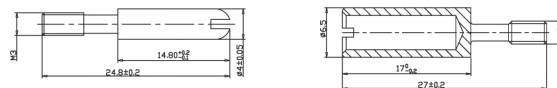
Stainless steel  
TCOD-PIN-M3-S

Standard code pin

Ordinary type



King-size

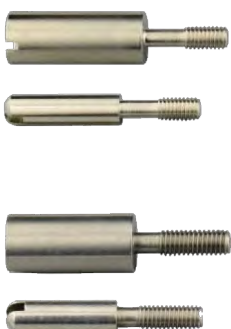


Ordinary type  
TCODING-PIN-M3-TM  
TCODING-PIN-M3-TF

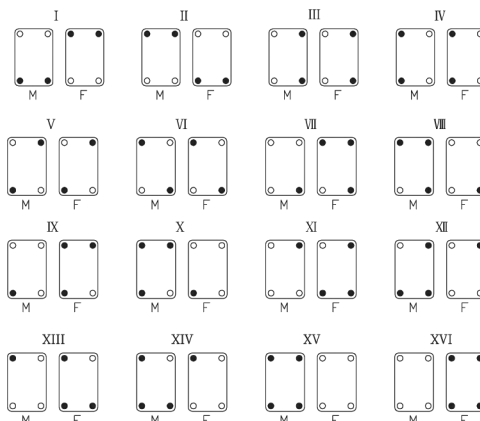
Stainless steel  
TCODING-PIN-M3-STM  
TCODING-PIN-M3-STF

King-size  
TCODING-PIN-M3-LTM  
TCODING-PIN-M3-LTF

Stainless steel,  
king-size  
TCODING-PIN-M3-LSTM  
TCODING-PIN-M3-LSTF





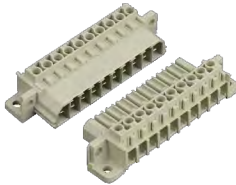


Stainless steel





## Tools, Crimp Contacts, Inserts, Rail Mounting Elements and Other Connectors

### Other Connectors

		Designation		Type	
2 and 3 pole connectors					
Rated:	25A, 500V				
Contact surface:	Silver-plated				
Flammability acc. to UL94:	V0				
Terminal:	Screw terminal				
		2 pole male insert		THSC-002-M	
		2 pole female insert		THSC-002-F	
					
		3 pole male insert		THSC-003-M	
		3 pole female insert		THSC-003-F	
10 pole connectors					
Rated:	25A, 500V				
Contact surface:	Silver-plated				
Flammability acc. to UL94:	V0				
Terminal:	Screw terminal				
					
		Kits		THSC-10	
		Male insert		THSC-10-M	
		Female insert		THSC-10-F	
10 pole connectors with fixing foot for rail mounting					
Rated:	25A, 500V				
Contact surface:	Silver-plated				
Flammability acc. to UL94:	V0				
Terminal:	Screw terminal				
					
		Kits		THSC-10-R	
		Male insert		THSC-10-R-M	
		Female insert		THSC-10-R-F	
10 or 20 pole connectors with wire clamp and fixing foot for rail mounting					
Rated:	25A, 500V				
Contact surface:	Silver-plated				
Flammability acc. to UL94:	V0				
Terminal:	Screw terminal				
					
		10-Pole kits		THSC-10-RC	
		Male insert		THSC-10-RC-M	
		Female insert		THSC-10-RC-F	
		20-Pole kits		THSC-20-RC	
		Male insert		THSC-20-RC-M	
		Female insert		THSC-20-RC-F	











# Hoods and Housings

## THA Series Hoods and Housings

TH3A include metal and plastic shells. Levers include metal, plastic and stainless steel.  
For use with THA (Pg 12) / THD (Pg 17) / THQ (Pg 20) series inserts.

### TH3A Metal

Metric PG Type







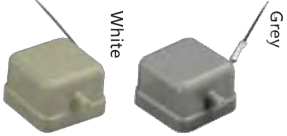
<p>Top entry</p> 	M20	PG11	TH3A-MTG-PG11 TH3A-MTG-M20
<p>Side entry</p> 	M20	PG11	TH3A-MTS-PG11 TH3A-MTS-M20
<p>Bulkhead mounting: bottom entry</p> 			TH3A-MAG
<p>Bulkhead mounting: side entry</p> 			TH3A-MAGS
<p>Surface mounting: side entry</p> 	M16 M20	PG11	TH3A-MAGSV-PG11 TH3A-MAGSV-M16 TH3A-MAGSV-M20
<p>Cable-to-cable hood</p> 	M20	PG11	TH3A-MTGVB-PG11 TH3A-MTGVB-M20
<p>Protection covers for hoods (thermoplastic)</p> 			TH3A-KDTP
<p>Metal protection covers for hoods</p> 			TH3A-KDB

Note: For mounted male insert and hood

Note: For mounted female insert and housings

### TH3A Thermoplastic

Metric PG Type

<p>Top entry</p> 	M20	PG11	TH3A-TG-PG11 TH3A-TG-M20
<p>Side entry</p> 	M20	PG11	TH3A-TS-PG11 TH3A-TS-M20
<p>Bulkhead mounting: bottom entry</p> 			TH3A-AG
<p>Bulkhead mounting: side entry</p> 			TH3A-AGS
<p>Surface mounting: side entry</p> 	M16 M20	PG11	TH3A-AGSV-PG11 TH3A-AGSV-M16 TH3A-AGSV-M20
<p>Cable-to-cable hood</p> 	M20	PG11	TH3A-TGVB-PG11 TH3A-TGVB-M20
<p>Protection covers for hoods</p> 			TH3A-KDTP
<p>Protection covers for hoods</p> 			TH3A-KDBP (White) TH3A-KDBPG (Grey)

Note: For mounted male insert and hood

Note: For mounted male insert and housings



## THA Series Hoods and Housings

TH10A include metal and stainless steel lever. TH16A include metal and stainless steel lever.

For use with THA (Pg 12) / THD (Pg 17) series inserts.

### TH10A Metal

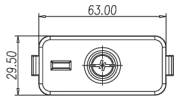
Hood: side entry



Hood: top entry



Protection covers for hoods



Bulkhead mounted



Surface mounting: side entry



Cable-to-cable hood



	Metric	PG	Type
Low construction	M20	PG16	TH10A-TS-PG16
		PG21	TH10A-TS-PG21
	M25	PG16	TH10A-TS-M20
		PG21	TH10A-TS-M25
High construction	M25	PG21	TH10A-TSH-PG21
			TH10A-TSH-M25
Low construction	M20	PG16	TH10A-TG-PG16
		PG21	TH10A-TG-PG21
	M25	PG16	TH10A-TG-M20
		PG21	TH10A-TG-M25
High construction	M25	PG21	TH10A-TGH-PG21
			TH10A-TGH-M25
			TH10A-KDT
			TH10A-AG
			TH10A-AD
1 Side entry	M20	PG16	TH10A-SGR-PG16
		PG21	TH10A-SGR-PG21
	M25	PG16	TH10A-SGR-M20
		PG21	TH10A-SGR-M25
2 Side entry	M20	PG16	TH10A-SGR-2PG16
		PG21	TH10A-SGR-2PG21
	M25	PG16	TH10A-SGR-2M20
		PG21	TH10A-SGR-2M25
1 Side entry	M20	PG16	TH10A-SDR-PG16
		PG21	TH10A-SDR-PG21
	M25	PG16	TH10A-SDR-M20
		PG21	TH10A-SDR-M25
2 Side entry	M20	PG16	TH10A-SDR-2PG16
		PG21	TH10A-SDR-2PG21
	M25	PG16	TH10A-SDR-2M20
		PG21	TH10A-SDR-2M25
Low construction	M20	PG16	TH10A-TBF-PG16
		PG21	TH10A-TBF-PG21
	M25	PG16	TH10A-TBF-M20
		PG21	TH10A-TBF-M25
High construction	M25	PG21	TH10A-TBFH-PG21
			TH10A-TBFH-M25

### TH16A Metal

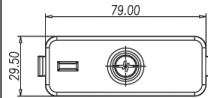
Hood: side entry



Hood: top entry



Protection covers for hoods



Bulkhead mounted



Surface mounting: side entry



Cable-to-cable hood



	Metric	PG	Type
Low construction	M20	PG16	TH16A-TS-PG16
		PG21	TH16A-TS-PG21
	M25	PG16	TH16A-TS-M20
		PG21	TH16A-TS-M25
High construction	M25	PG21	TH16A-TSH-PG21
			TH16A-TSH-M25
Low construction	M20	PG16	TH16A-TG-PG16
		PG21	TH16A-TG-PG21
	M25	PG16	TH16A-TG-M20
		PG21	TH16A-TG-M25
High construction	M25	PG21	TH16A-TGH-PG21
			TH16A-TGH-M25
			TH16A-KDT
			TH16A-AG
			TH16A-AD
1 Side entry	M20	PG16	TH16A-SGR-PG16
		PG21	TH16A-SGR-PG21
	M25	PG16	TH16A-SGR-M20
		PG21	TH16A-SGR-M25
2 Side entry	M20	PG16	TH16A-SGR-2PG16
		PG21	TH16A-SGR-2PG21
	M25	PG16	TH16A-SGR-2M20
		PG21	TH16A-SGR-2M25
1 Side entry	M20	PG16	TH16A-SDR-PG16
		PG21	TH16A-SDR-PG21
	M25	PG16	TH16A-SDR-M20
		PG21	TH16A-SDR-M25
2 Side entry	M20	PG16	TH16A-SDR-2PG16
		PG21	TH16A-SDR-2PG21
	M25	PG16	TH16A-SDR-2M20
		PG21	TH16A-SDR-2M25
Low construction	M20	PG16	TH16A-TBF-PG16
		PG21	TH16A-TBF-PG21
	M25	PG16	TH16A-TBF-M20
		PG21	TH16A-TBF-M25
High construction	M25	PG21	TH16A-TBFH-PG21
			TH16A-TBFH-M25



## THA Series Hoods and Housings

For use with 32 Pin THA (Pg 12) / THD (Pg 17) series inserts.

For use with 8 Pin THQ (Pg 20) series inserts.

### TH32A Metal

Metric PG Type

Hood: side entry



	PG21	TH32A-TS-PG21
	PG29	TH32A-TS-PG29
	PG36	TH32A-TS-PG36
M25		TH32A-TS-M25
M32		TH32A-TS-M32
M40		TH32A-TS-M40

Hood: top entry



	PG21	TH32A-TG-PG21
	PG29	TH32A-TG-PG29
	PG36	TH32A-TG-PG36
M25		TH32A-TG-M25
M32		TH32A-TG-M32
M40		TH32A-TG-M40

Bulkhead mounted



TH32A-AG

Surface mounted: side entry



1 Side entry

	PG21	TH32A-SGR-PG21
	PG29	TH32A-SGR-PG29
M25		TH32A-SGR-M25
M32		TH32A-SGR-M32

2 Side entry

	PG21	TH32A-SGR-2PG21
	PG29	TH32A-SGR-2PG29
M25		TH32A-SGR-2M25
M32		TH32A-SGR-2M32

### TH8A Thermoplastic

Metric PG Type

Hood: side entry



	PG16	TH8A-TS-PG16
M20		TH8A-TS-M20

Hood: top entry



	PG16	TH8A-TG-PG16
M20		TH8A-TG-M20

Bulkhead mounted



TH8A-AG



TH8A-AGM



## THB Series Hoods and Housings

TH6B levers include metal, plastic and stainless steel. TH6B covers include plastic and metal.

For use with THE (Pg 13) / THEE (Pg 16) / THEEE (Pg 15) / THDD (Pg 19) / THEAV (Pg 21) / THK (Pg 23) series inserts.

### TH6B Metal Hoods

Hood: side entry



Metric	PG	Type
	PG16	TH6B-TS-PG16
	PG21	TH6B-TS-PG21
M20		TH6B-TS-M20
M25		TH6B-TS-M25



	PG21	TH6B-TSH-PG21
	PG29	TH6B-TSH-PG29
M20		TH6B-TSH-M20
M25		TH6B-TSH-M25
M32		TH6B-TSH-M32

Hood: top entry



	PG16	TH6B-TG-PG16
	PG21	TH6B-TG-PG21
M20		TH6B-TG-M20
M25		TH6B-TG-M25



	PG21	TH6B-TGH-PG21
	PG29	TH6B-TGH-PG29
M20		TH6B-TGH-M20
M25		TH6B-TGH-M25
M32		TH6B-TGH-M32

Cable-to-cable hood



Construction	Metric	PG	Type
Low construction		PG16	TH6B-TBF-PG16
	M20		TH6B-TBF-M20
	M25		TH6B-TBF-M25
High construction		PG21	TH6B-TBFH-PG21
		PG29	TH6B-TBFH-PG29
	M20		TH6B-TBFH-M20
	M25		TH6B-TBFH-M25
	M32		TH6B-TBFH-M32

Protection covers for hoods



TH6B-KDTP

### TH6B Metal Housings

Bulkhead mounted



TH6B-AG



TH6B-AD

Surface mounted: side entry



Construction	Entry	Metric	PG	Type
Low construction	1 Side entry		PG16	TH6B-SGR-PG16
			PG21	TH6B-SGR-PG21
		M20		TH6B-SGR-M20
	2 Side entry	M25		TH6B-SGR-M25
			PG16	TH6B-SGR-2PG16
			PG21	TH6B-SGR-2PG21
High construction	1 Side entry	M20		TH6B-SGR-2M20
		M25		TH6B-SGR-2M25
			PG21	TH6B-SGRH-PG21
	2 Side entry		PG29	TH6B-SGRH-PG29
		M25		TH6B-SGRH-M25
		M32		TH6B-SGRH-M32
Low construction	1 Side entry		PG21	TH6B-SGRH-2PG21
			PG29	TH6B-SGRH-2PG29
		M25		TH6B-SGRH-2M25
	2 Side entry	M25		TH6B-SGRH-2M25
		M32		TH6B-SGRH-2M32
			PG16	TH6B-SDR-PG16
High construction	1 Side entry		PG21	TH6B-SDR-PG21
		M20		TH6B-SDR-M20
		M25		TH6B-SDR-M25
	2 Side entry		PG16	TH6B-SDR-2PG16
			PG21	TH6B-SDR-2PG21
		M20		TH6B-SDR-2M20
Low construction	1 Side entry	M25		TH6B-SDR-2M25
			PG21	TH6B-SDRH-PG21
			PG29	TH6B-SDRH-PG29
	2 Side entry	M25		TH6B-SDRH-M25
		M32		TH6B-SDRH-M32
			PG21	TH6B-SDRH-2PG21
High construction	1 Side entry		PG29	TH6B-SDRH-2PG29
		M25		TH6B-SDRH-2M25
		M32		TH6B-SDRH-2M32










## THB Series Hoods and Housings (with 2 Levers on the Hoods/Housings)








TH10B levers include metal, plastic and stainless steel. TH10B covers include plastic and metal.

For use with THE (Pg 13) / THEE (Pg 16) / THEEE (Pg 15) / THDD (Pg 19) / THEAV (Pg 21) / THK (Pg 23) series inserts.

### TH10B Metal Hoods

	Metric	PG	Type
<b>Hood: side entry</b>			
		PG16	TH10B-TS-PG16
		PG21	TH10B-TS-PG21
	M20		TH10B-TS-M20
	M25		TH10B-TS-M25
		PG21	TH10B-TSH-PG21
		PG29	TH10B-TSH-PG29
	M20		TH10B-TSH-M20
	M25		TH10B-TSH-M25
	M32		TH10B-TSH-M32
<b>Hood: top entry</b>			
		PG16	TH10B-TG-PG16
		PG21	TH10B-TG-PG21
	M20		TH10B-TG-M20
	M25		TH10B-TG-M25
		PG21	TH10B-TGH-PG21
		PG29	TH10B-TGH-PG29
	M20		TH10B-TGH-M20
	M25		TH10B-TGH-M25
	M32		TH10B-TGH-M32
<b>Cable-to-cable hood</b>			
	Low construction	PG16	TH10B-TBF-PG16
		M20	TH10B-TBF-M20
		M25	TH10B-TBF-M25
	High construction	PG21	TH10B-TBFH-PG21
		PG29	TH10B-TBFH-PG29
		M25	TH10B-TBFH-M25
	M32	TH10B-TBFH-M32	
<b>Protection covers for hoods</b>			
			TH10B-KDTP
<b>Housing protection cover</b>			
			TH10B-KDB

### TH10B Metal Housings

	Metric	PG	Type
<b>Bulkhead mounted</b>			
			TH10B-AG
<b>Surface mounted: side entry</b>			
	Low construction	1 Side entry	PG16 TH10B-SGR-PG16
		PG21 TH10B-SGR-PG21	
		M20 TH10B-SGR-M20	
	M25 TH10B-SGR-M25		
	High construction	2 Side entry	PG16 TH10B-SGR-2PG16
		PG21 TH10B-SGR-2PG21	
M20 TH10B-SGR-2M20			
M25 TH10B-SGR-2M25			
	Low construction	1 Side entry	PG21 TH10B-SGRH-PG21
		PG29 TH10B-SGRH-PG29	
		M25 TH10B-SGRH-M25	
	High construction	2 Side entry	PG21 TH10B-SGRH-2PG21
		PG29 TH10B-SGRH-2PG29	
		M25 TH10B-SGRH-2M25	
M32 TH10B-SGRH-2M32			
<b>Side entry housing with two (2) levers</b>			
	Low construction	PG16	TH10B-TSB-PG16
		PG21	TH10B-TSB-PG21
		M20	TH10B-TSB-M20
	M25	TH10B-TSB-M25	
	High construction	PG21	TH10B-TSBH-PG21
		PG29	TH10B-TSBH-PG29
M25		TH10B-TSBH-M25	
M32	TH10B-TSBH-M32		
<b>Top entry housing with two (2) levers</b>			
	Low construction	PG16	TH10B-TGB-PG16
		PG21	TH10B-TGB-PG21
		M20	TH10B-TGB-M20
	High construction	M25	TH10B-TGB-M25
		PG21	TH10B-TGBH-PG21
		PG29	TH10B-TGBH-PG29
M25	TH10B-TGBH-M25		
M32	TH10B-TGBH-M32		
<b>Bulkhead mounting with four (4) bolts</b>			
			TH10B-AD-BO
	Low construction	1 Side entry	PG16 TH10B-SDR-BO-PG16
		PG21 TH10B-SDR-BO-PG21	
		M20 TH10B-SDR-BO-M20	
	High construction	2 Side entry	PG16 TH10B-SDR-BO-2PG16
		PG21 TH10B-SDR-BO-2PG21	
M20 TH10B-SDR-BO-2M20			
M25 TH10B-SDR-BO-2M25			
	Low construction	1 Side entry	PG21 TH10B-SDR-BOH-PG21
		PG29 TH10B-SDR-BOH-PG29	
		M25 TH10B-SDR-BOH-M25	
	High construction	2 Side entry	PG21 TH10B-SDR-BOH-2PG21
		PG29 TH10B-SDR-BOH-2PG29	
		M25 TH10B-SDR-BOH-2M25	
M32 TH10B-SDR-BOH-2M32			



## THB Series Hoods and Housings (with 1 Lever on the Hoods/Housings)

TH10B levers include metal, plastic and stainless steel. TH10B covers include plastic and metal.

For use with 10 Pin THE (Pg 13) / THEE (Pg 16) / THEEE (Pg 15) / THDD (Pg 19) / THEAV (Pg 21) / THK (Pg 23) series inserts.

### TH10B Metal Hoods

Metric PG Type

Hood: side entry



	PG16	TH10B-TS-RO-PG16
	PG21	TH10B-TS-RO-PG21
M20		TH10B-TS-RO-M20
M25		TH10B-TS-RO-M25



	PG21	TH10B-TSH-RO-PG21
	PG29	TH10B-TSH-RO-PG29
M20		TH10B-TSH-RO-M20
M25		TH10B-TSH-RO-M25
M32		TH10B-TSH-RO-M32

Hood: top entry



	PG16	TH10B-TG-RO-PG16
	PG21	TH10B-TG-RO-PG21
M20		TH10B-TG-RO-M20
M25		TH10B-TG-RO-M25



	PG21	TH10B-TGH-RO-PG21
	PG29	TH10B-TGH-RO-PG29
M20		TH10B-TGH-RO-M20
M25		TH10B-TGH-RO-M25
M32		TH10B-TGH-RO-M32

Cable-to-cable hood



Low construction	PG16	TH10B-TBF-LB-PG16
	M20	TH10B-TBF-LB-M20
	M25	TH10B-TBF-LB-M25
High construction	PG21	TH10B-TBFH-LB-PG21
	PG29	TH10B-TBFH-LB-PG29
	M25	TH10B-TBFH-LB-M25
	M32	TH10B-TBFH-LB-M32

Protection covers for hoods



TH10B-KDTP-LB

### TH10B Metal Housings

Metric PG Type

Bulkhead mounted



TH10B-AG-LB



TH10B-AD-LB

Surface mounted: side entry



Low construction	1 Side entry	PG16	TH10B-SGR-LB-PG16
		PG21	TH10B-SGR-LB-PG21
		M20	TH10B-SGR-LB-M20
Low construction	2 Side entry	PG16	TH10B-SGR-LB-2PG16
		PG21	TH10B-SGR-LB-2PG21
		M20	TH10B-SGR-LB-2M20
High construction	1 Side entry	PG21	TH10B-SGRH-LB-PG21
		PG29	TH10B-SGRH-LB-PG29
		M25	TH10B-SGRH-LB-M25
High construction	2 Side entry	PG21	TH10B-SGRH-LB-2PG21
		PG29	TH10B-SGRH-LB-2PG29
		M25	TH10B-SGRH-LB-2M25
Low construction	1 Side entry	PG16	TH10B-SDR-LB-PG16
		PG21	TH10B-SDR-LB-PG21
		M20	TH10B-SDR-LB-M20
Low construction	2 Side entry	PG16	TH10B-SDR-LB-2PG16
		PG21	TH10B-SDR-LB-2PG21
		M20	TH10B-SDR-LB-2M20
High construction	1 Side entry	PG21	TH10B-SDRH-LB-PG21
		PG29	TH10B-SDRH-LB-PG29
		M25	TH10B-SDRH-LB-M25
High construction	2 Side entry	PG21	TH10B-SDRH-LB-2PG21
		PG29	TH10B-SDRH-LB-2PG29
		M25	TH10B-SDRH-LB-2M25













## THB Series Hoods and Housings (with 2 Levers on the Hoods/Housings)

TH16B levers include metal, plastic and stainless steel. TH16B covers include plastic and metal.  
 For use with 16 Pin THE (Pg 13) / THVE & THEE (Pg 16) / THEEE (Pg 15) / THDD (Pg 19) / THEAV (Pg 21) /  
 THKW & THDAV (Pg 22) / THK (Pg 23) series inserts.

### TH16B Metal Hoods

	Metric	PG	Type
<b>Hood: side entry</b>			
		PG16	TH16B-TS-PG16
		PG21	TH16B-TS-PG21
	M25		TH16B-TS-M25
	M32		TH16B-TS-M32
		PG21	TH16B-TSH-PG21
		PG29	TH16B-TSH-PG29
	M25		TH16B-TSH-M25
	M32		TH16B-TSH-M32
	M40		TH16B-TSH-M40
<b>Hood: top entry</b>			
		PG16	TH16B-TG-PG16
		PG21	TH16B-TG-PG21
	M25		TH16B-TG-M25
	M32		TH16B-TG-M32
		PG21	TH16B-TGH-PG21
		PG29	TH16B-TGH-PG29
	M25		TH16B-TGH-M25
	M32		TH16B-TGH-M32
	M40		TH16B-TGH-M40
<b>Cable-to-cable hood</b>			
	Low construction	PG21	TH16B-TBF-PG21
		M25	TH16B-TBF-M25
		M32	TH16B-TBF-M32
High construction		PG21	TH16B-TBFH-PG21
		PG29	TH16B-TBFH-PG29
	M25		TH16B-TBFH-M25
	M32		TH16B-TBFH-M32
	M40		TH16B-TBFH-M40
<b>Protection covers for hoods</b>			
			TH16B-KDTP
<b>Housing protection cover</b>			
			TH16B-KDBP

### TH16B Metal Housings

	Metric	PG	Type
<b>Bulkhead mounted</b>			
			TH16B-AG
<b>Surface mounted: side entry</b>			
Low construction	1 Side entry	PG21	TH16B-SGR-PG21
		M25	TH16B-SGR-M25
	2 Side entry	PG21	TH16B-SGR-2PG21
		M25	TH16B-SGR-2M25
High construction	1 Side entry	PG21	TH16B-SGRH-PG21
		PG29	TH16B-SGRH-PG29
	2 Side entry	M25	TH16B-SGRH-M25
		M32	TH16B-SGRH-M32
Low construction	1 Side entry	PG21	TH16B-SGRH-2PG21
		PG29	TH16B-SGRH-2PG29
	2 Side entry	M25	TH16B-SGRH-2M25
		M32	TH16B-SGRH-2M32
<b>Side entry housing with two (2) levers</b>			
Low construction		PG16	TH16B-TSB-PG16
		PG21	TH16B-TSB-PG21
	M20		TH16B-TSB-M20
High construction	M25		TH16B-TSB-M25
		PG21	TH16B-TSBH-PG21
	PG29		TH16B-TSBH-PG29
Low construction	M25		TH16B-TSBH-M25
		PG21	TH16B-TSBH-PG21
	M32		TH16B-TSBH-M32
<b>Top entry housing with two (2) levers</b>			
Low construction		PG16	TH16B-TGB-PG16
		PG21	TH16B-TGB-PG21
	M20		TH16B-TGB-M20
High construction	M25		TH16B-TGB-M25
		PG21	TH16B-TGBH-PG21
	PG29		TH16B-TGBH-PG29
Low construction	M25		TH16B-TGBH-M25
		PG21	TH16B-TGBH-PG21
	M32		TH16B-TGBH-M32
<b>Bulkhead mounting with four (4) bolts</b>			
TH16B-AD-BO			
Low construction	1 Side entry	PG21	TH16B-SDR-BO-PG21
		M25	TH16B-SDR-BO-M25
	2 Side entry	PG21	TH16B-SDR-BO-2PG21
		M25	TH16B-SDR-BO-2M25
High construction	1 Side entry	PG21	TH16B-SDRH-BO-PG21
		PG29	TH16B-SDRH-BO-PG29
	2 Side entry	M25	TH16B-SDRH-BO-M25
		M32	TH16B-SDRH-BO-M32
Low construction	1 Side entry	PG21	TH16B-SDRH-BO-2PG21
		PG29	TH16B-SDRH-BO-2PG29
	2 Side entry	M25	TH16B-SDRH-BO-2M25
		M32	TH16B-SDRH-BO-2M32



## THB Series Hoods and Housings (with 1 Lever on the Hoods/Housings)

TH16B levers include metal, plastic and stainless steel. TH16B covers include plastic and metal.

For use with THE (Pg 13) / THVE & THEE (Pg 16) / THEEE (Pg 15) / THDD (Pg 19) / THEAV (Pg 21) / THKW & THDAV (Pg 22) / THK (Pg 23) series inserts.

### TH16B Metal Hoods

Metric PG Type

Hood: side entry



	PG21	TH16B-TS-RO-PG21
	PG29	TH16B-TS-RO-PG29
M25		TH16B-TS-RO-M25
M32		TH16B-TS-RO-M32



	PG21	TH16B-TSH-RO-PG21
	PG29	TH16B-TSH-RO-PG29
M25		TH16B-TSH-RO-M25
M32		TH16B-TSH-RO-M32
M40		TH16B-TSH-RO-M40

Hood: top entry



	PG21	TH16B-TG-RO-PG21
	PG29	TH16B-TG-RO-PG29
M25		TH16B-TG-RO-M25
M32		TH16B-TG-RO-M32
M40		TH16B-TG-RO-M40



	PG21	TH16B-TGH-RO-PG21
	PG29	TH16B-TGH-RO-PG29
M25		TH16B-TGH-RO-M25
M32		TH16B-TGH-RO-M32
M40		TH16B-TGH-RO-M40

Cable-to-cable hood



Low construction		PG21	TH16B-TBF-LB-PG21
		PG29	TH16B-TBF-LB-PG29
	M25		TH16B-TBF-LB-M25
	M32		TH16B-TBF-LB-M32
High construction		PG21	TH16B-TBFH-LB-PG21
		PG29	TH16B-TBFH-LB-PG29
	M25		TH16B-TBFH-LB-M25
	M32		TH16B-TBFH-LB-M32
	M40		TH16B-TBFH-LB-M40

Protection covers for hoods



TH16B-KDTP-LB

### TH16B Metal Housings

Metric PG Type

Bulkhead mounted



TH16B-AG-LB



TH16B-AD-LB

Surface mounted: side entry











Low construction	1 Side entry	PG16	TH16B-SGR-LB-PG16
		PG21	TH16B-SGR-LB-PG21
	M20		TH16B-SGR-LB-M20
		M25	
High construction	2 Side entry	PG16	TH16B-SGR-LB-2PG16
		PG21	TH16B-SGR-LB-2PG21
	M20		TH16B-SGR-LB-2M20
		M25	
Low construction	1 Side entry	PG21	TH16B-SGRH-LB-PG21
		PG29	TH16B-SGRH-LB-PG29
	M25		TH16B-SGRH-LB-M25
		M32	
High construction	2 Side entry	PG21	TH16B-SGRH-LB-2PG21
		PG29	TH16B-SGRH-LB-2PG29
	M25		TH16B-SGRH-LB-2M25
		M32	
Low construction	1 Side entry	PG16	TH16B-SDR-LB-PG16
		PG21	TH16B-SDR-LB-PG21
	M20		TH16B-SDR-LB-M20
		M25	
High construction	2 Side entry	PG16	TH16B-SDR-LB-2PG16
		PG21	TH16B-SDR-LB-2PG21
	M20		TH16B-SDR-LB-2M20
		M25	
Low construction	1 Side entry	PG21	TH16B-SDRH-LB-PG21
		PG29	TH16B-SDRH-LB-PG29
	M25		TH16B-SDRH-LB-M25
		M32	
High construction	2 Side entry	PG21	TH16B-SDRH-LB-2PG21
		PG29	TH16B-SDRH-LB-2PG29
	M25		TH16B-SDRH-LB-2M25
		M32	










## THB Series Hoods and Housings (with 2 Levers on the Hoods/Housings)

TH24B levers include metal, plastic and stainless steel. TH24B covers include plastic and metal.  
 For use with THE (Pg 13) / THVE & THEE (Pg 16) / THEEE (Pg 15) / THD (Pg 17) / THDD (Pg 19) / THEAV (Pg 21) /  
 THKW & THDAV (Pg 22) / THK (Pg 23) series inserts.

### TH24B Metal Hoods

	Metric	PG	Type
<b>Hood: side entry</b>			
		PG16	TH24B-TS-PG16
		PG21	TH24B-TS-PG21
	M25		TH24B-TS-M25
	M32		TH24B-TS-M32
		PG21	TH24B-TSH-PG21
		PG29	TH24B-TSH-PG29
	M25		TH24B-TSH-M25
	M32		TH24B-TSH-M32
	M40		TH24B-TSH-M40
<b>Hood: top entry</b>			
		PG16	TH24B-TG-PG16
		PG21	TH24B-TG-PG21
	M25		TH24B-TG-M25
	M32		TH24B-TG-M32
		PG21	TH24B-TGH-PG21
		PG29	TH24B-TGH-PG29
	M25		TH24B-TGH-M25
	M32		TH24B-TGH-M32
	M40		TH24B-TGH-M40
<b>Cable-to-cable hood</b>			
	Low construction	PG21	TH24B-TBF-PG21
		M25	TH24B-TBF-M25
		M32	TH24B-TBF-M32
	High construction	PG21	TH24B-TBFH-PG21
		PG29	TH24B-TBFH-PG29
		M25	TH24B-TBFH-M25
		M32	TH24B-TBFH-M32
		M40	TH24B-TBFH-M40
<b>Protection covers for hoods</b>			
			TH24B-KDTP
<b>Housing protection cover</b>			
			TH24B-KDBP

### TH24B Metal Housings

	Metric	PG	Type
<b>Bulkhead mounted</b>			
			TH24B-AG
<b>Surface mounted: side entry</b>			
	Low construction	1 Side entry	M25 PG21 TH24B-SGR-PG21
		2 Side entry	M25 PG21 TH24B-SGR-M25
			M25 PG21 TH24B-SGR-2PG21
			M25 PG21 TH24B-SGR-2M25
	High construction	1 Side entry	M25 PG21 TH24B-SGRH-PG21
		2 Side entry	M32 PG29 TH24B-SGRH-PG29
			M25 PG21 TH24B-SGRH-M25
			M32 PG29 TH24B-SGRH-M32
<b>Side entry housing with two (2) levers</b>			
	Low construction		M20 PG16 TH24B-TSB-PG16
			M25 PG21 TH24B-TSB-PG21
	High construction		M20 PG21 TH24B-TSB-M20
			M25 PG29 TH24B-TSB-M25
<b>Top entry housing with two (2) levers</b>			
	Low construction		M20 PG16 TH24B-TSB-PG16
			M25 PG21 TH24B-TSB-PG21
	High construction		M20 PG21 TH24B-TSB-M20
			M25 PG29 TH24B-TSB-M25
<b>Bulkhead mounting with four (4) bolts</b>			
	Low construction	1 Side entry	M25 PG21 TH24B-TSBH-PG21
		2 Side entry	M25 PG21 TH24B-TSBH-PG29
	High construction	1 Side entry	M25 PG21 TH24B-TSBH-M25
		2 Side entry	M32 PG29 TH24B-TSBH-M32
<b>TH24B-AD-BO</b>			
	Low construction	1 Side entry	M25 PG21 TH24B-SDR-BO-PG21
		2 Side entry	M25 PG21 TH24B-SDR-BO-PG29
	High construction	1 Side entry	M25 PG21 TH24B-SDRH-BO-PG21
		2 Side entry	M32 PG29 TH24B-SDRH-BO-PG29
			M25 PG21 TH24B-SDRH-BO-M25
			M32 PG29 TH24B-SDRH-BO-M32



## THB Series Hoods and Housings (with 1 Lever on the Hoods/Housings)

TH24B levers include metal, plastic and stainless steel. TH24B covers include plastic and metal.

For use with 24 Pin THE (Pg 13) / THVE & THEE (Pg 16) / THEEE (Pg 15) / THD (Pg 17) / THDD (Pg 19) / THEAV (Pg 21) / THKW & THDAV (Pg 22) / THK (Pg 23) series inserts.

### TH24B Metal Hoods

Metric PG Type

Hood: side entry



	PG21	TH24B-TS-RO-PG21
	PG29	TH24B-TS-RO-PG29
M25		TH24B-TS-RO-M25
M32		TH24B-TS-RO-M32



	PG21	TH24B-TSH-RO-PG21
	PG29	TH24B-TSH-RO-PG29
M25		TH24B-TSH-RO-M25
M32		TH24B-TSH-RO-M32
M40		TH24B-TSH-RO-M40

Hood: top entry



	PG21	TH24B-TG-RO-PG21
	PG29	TH24B-TG-RO-PG29
M25		TH24B-TG-RO-M25
M32		TH24B-TG-RO-M32



	PG21	TH24B-TGH-RO-PG21
	PG29	TH24B-TGH-RO-PG29
M25		TH24B-TGH-RO-M25
M32		TH24B-TGH-RO-M32
M40		TH24B-TGH-RO-M40

Cable-to-cable hood



Low construction

	PG21	TH24B-TBF-LB-PG21
	PG29	TH24B-TBF-LB-PG29
M25		TH24B-TBF-LB-M25
M32		TH24B-TBF-LB-M32

High construction

	PG21	TH24B-TBFH-LB-PG21
	PG29	TH24B-TBFH-LB-PG29
M25		TH24B-TBFH-LB-M25
M32		TH24B-TBFH-LB-M32
M40		TH24B-TBFH-LB-M40

Protection covers for hoods



TH24B-KDTP-LB

### TH24B Metal Housings

Metric PG Type

Bulkhead mounted



TH24B-AG-LB



TH24B-AD-LB

Surface mounted: side entry



Low construction	1 Side entry	PG16	TH24B-SGR-LB-PG16
		PG21	TH24B-SGR-LB-PG21
		M20 M25	TH24B-SGR-LB-M20 TH24B-SGR-LB-M25
High construction	2 Side entry	PG16	TH24B-SGR-LB-2PG16
		PG21	TH24B-SGR-LB-2PG21
		M20 M25	TH24B-SGR-LB-2M20 TH24B-SGR-LB-2M25
Low construction	1 Side entry	PG21	TH24B-SGRH-LB-PG21
		PG29	TH24B-SGRH-LB-PG29
		M25 M32	TH24B-SGRH-LB-M25 TH24B-SGRH-LB-M32
High construction	2 Side entry	PG21	TH24B-SGRH-LB-2PG21
		PG29	TH24B-SGRH-LB-2PG29
		M25 M32	TH24B-SGRH-LB-2M25 TH24B-SGRH-LB-2M32
Low construction	1 Side entry	PG16	TH24B-SDR-LB-PG16
		PG21	TH24B-SDR-LB-PG21
		M20 M25	TH24B-SDR-LB-M20 TH24B-SDR-LB-M25
High construction	2 Side entry	PG16	TH24B-SDR-LB-2PG16
		PG21	TH24B-SDR-LB-2PG21
		M20 M25	TH24B-SDR-LB-2M20 TH24B-SDR-LB-2M25
Low construction	1 Side entry	PG21	TH24B-SDRH-LB-PG21
		PG29	TH24B-SDRH-LB-PG29
		M25 M32	TH24B-SDRH-LB-M25 TH24B-SDRH-LB-M32
High construction	2 Side entry	PG21	TH24B-SDRH-LB-2PG21
		PG29	TH24B-SDRH-LB-2PG29
		M25 M32	TH24B-SDRH-LB-2M25 TH24B-SDRH-LB-2M32



## THB Series Hoods and Housings

TH32B levers with 2 levers on the hoods/housings. TH32B levers with 1 lever on the hoods/housings.  
For use with THE (Pg 13) / THEE (Pg 16) / THEEE (Pg 15) / THDD (Pg 19) series inserts.

### TH32B (2 Levers)

Hood: side entry



Metric	PG	Type
	PG29	TH32B-TS-PG29
	PG36	TH32B-TS-PG36
M25		TH32B-TS-M25
M32		TH32B-TS-M32
M40		TH32B-TS-M40
M50		TH32B-TS-M50

Hood: top entry



	PG29	TH32B-TG-PG29
	PG36	TH32B-TG-PG36
	PG42	TH32B-TG-PG42
M25		TH32B-TG-M25
M32		TH32B-TG-M32
M40		TH32B-TG-M40
M50		TH32B-TG-M50

Bulkhead mounted



TH32B-AG

Surface mounting: side entry

1 Side entry



	PG29	TH32B-SGR-PG29
	PG36	TH32B-SGR-PG36
	PG42	TH32B-SGR-PG42
M32		TH32B-SGR-M32
M40		TH32B-SGR-M40
M50		TH32B-SGR-M50
M63		TH32B-SGR-M63

2 Side entry

	PG29	TH32B-SGR-2PG29
	PG36	TH32B-SGR-2PG36
	PG42	TH32B-SGR-2PG42
M32		TH32B-SGR-2M32
M40		TH32B-SGR-2M40
M50		TH32B-SGR-2M50
M63		TH32B-SGR-2M63

Cable-to-cable hood



	PG29	TH32B-TBF-PG29
	PG36	TH32B-TBF-PG36
	PG42	TH32B-TBF-PG42
M32		TH32B-TBF-M32
M40		TH32B-TBF-M40
M50		TH32B-TBF-M50
M63		TH32B-TBF-M63

Protection covers for hoods



TH32B-KDBP

### TH32B (1 Lever)

Hood: side entry



Metric	PG	Type
	PG29	TH32B-TS-RO-PG29
	PG36	TH32B-TS-RO-PG36
M25		TH32B-TS-RO-M25
M32		TH32B-TS-RO-M32
M40		TH32B-TS-RO-M40
M50		TH32B-TS-RO-M50

Hood: top entry



	PG29	TH32B-TG-RO-PG29
	PG36	TH32B-TG-RO-PG36
	PG42	TH32B-TG-RO-PG42
M25		TH32B-TG-RO-M25
M32		TH32B-TG-RO-M32
M40		TH32B-TG-RO-M40
M50		TH32B-TG-RO-M50

Bulkhead mounted



TH32B-AG-LB



TH32B-AG-LB

Surface mounting: side entry



1 Side entry

	PG29	TH32B-SGR-LB-PG29
M32		TH32B-SGR-LB-M32
M40		TH32B-SGR-LB-M40

2 Side entry

	PG29	TH32B-SGR-LB-2PG29
M32		TH32B-SGR-LB-2M32
M40		TH32B-SGR-LB-2M40



1 Side entry

	PG29	TH32B-SDR-LB-PG29
M32		TH32B-SDR-LB-M32
M40		TH32B-SDR-LB-M40

2 Side entry

	PG29	TH32B-SDR-LB-2PG29
M32		TH32B-SDR-LB-2M32
M40		TH32B-SDR-LB-2M40



## THB Series Hoods and Housings

TH48B hoods/housings. EMC hoods/housings.

For use with THE (Pg 13) / THEE (Pg 16) / THEEE (Pg 15) / THD (Pg 17) / THDD (Pg 19) series inserts.

### TH48B Metal

Metric PG Type

Hood: side entry



PG29 TH48B-TS-PG29  
PG36 TH48B-TS-PG36  
PG42 TH48B-TS-PG42

M32 TH48B-TS-M32  
M40 TH48B-TS-M40  
M50 TH48B-TS-M50  
M63 TH48B-TS-M63

Hood: top entry



PG29 TH48B-TG-PG29  
PG36 TH48B-TG-PG36  
PG42 TH48B-TG-PG42

M32 TH48B-TG-M32  
M40 TH48B-TG-M40  
M50 TH48B-TG-M50  
M63 TH48B-TG-M63

Bulkhead mounted



TH48B-AG



TH48B-AD

Surface mounted: side entry



1 Side entry

PG29 TH48B-SGR-PG29  
PG36 TH48B-SGR-PG36  
PG42 TH48B-SGR-PG42  
M32 TH48B-SGR-M32  
M40 TH48B-SGR-M40  
M50 TH48B-SGR-M50

2 Side entry

PG29 TH48B-SGR-2PG29  
PG36 TH48B-SGR-2PG36  
PG42 TH48B-SGR-2PG42  
M32 TH48B-SGR-2M32  
M40 TH48B-SGR-2M40  
M50 TH48B-SGR-2M50

Surface mounted with cover



1 Side entry

PG29 TH48B-SDR-PG29  
PG36 TH48B-SDR-PG36  
PG42 TH48B-SDR-PG42  
M32 TH48B-SDR-M32  
M40 TH48B-SDR-M40  
M50 TH48B-SDR-M50

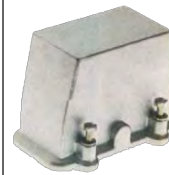
2 Side entry

PG29 TH48B-SDR-2PG29  
PG36 TH48B-SDR-2PG36  
PG42 TH48B-SDR-2PG42  
M32 TH48B-SDR-2M32  
M40 TH48B-SDR-2M40  
M50 TH48B-SDR-2M50

### EMC Metal Hoods

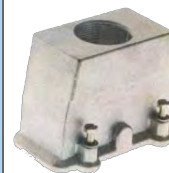
Metric PG Type

Hood: side entry



TH6BEMC-TS  
TH10BEMC-TS  
TH16BEMC-TS  
TH24BEMC-TS

Hood: top entry



TH6BEMC-TG  
TH10BEMC-TG  
TH16BEMC-TG  
TH24BEMC-TG

Bulkhead mounted



TH6BEMC-AG  
TH10BEMC-AG  
TH16BEMC-AG  
TH24BEMC-AG

Hood: side entry



TH3AEMCS-TS  
TH10AEMCS-TS  
TH16AEMCS-TS  
TH6BEMCS-TS  
TH10BEMCS-TS  
TH16BEMCS-TS  
TH24BEMCS-TS

Hood: top entry



TH3AEMCS-TG  
TH10AEMCS-TG  
TH16AEMCS-TG  
TH6BEMCS-TG  
TH10BEMCS-TG  
TH16BEMCS-TG  
TH24BEMCS-TG

Bulkhead mounted



TH3AEMCS-AG  
TH10AEMCS-AG  
TH16AEMCS-AG  
TH6BEMCS-AG  
TH10BEMCS-AG  
TH16BEMCS-AG  
TH24BEMCS-AG



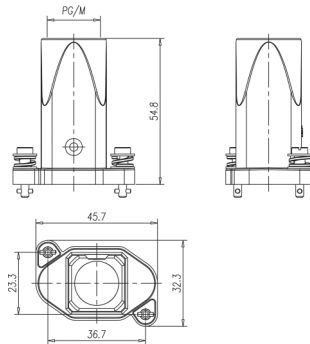
## IP68/IP65 Hoods and Housings

TH3APR (IP68) Series.

For use with THA (Pg 12 / THD (Pg 17) series inserts.

### Opposite Angle Locking

Top entry



Metric

PG

Type

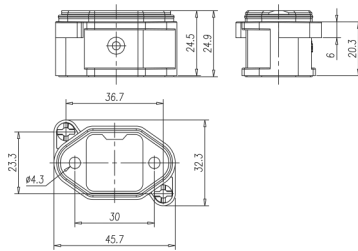
M20

PG16

TH3APR-MTG-PG16

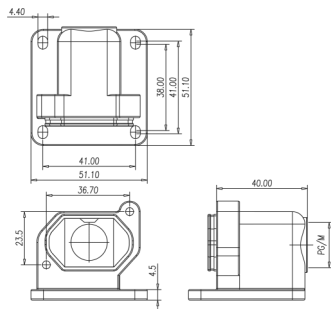
TH3APR-MTG-M20

Bulkhead mounted: bottom entry



TH3APR-MAG

Surface mounted: side entry



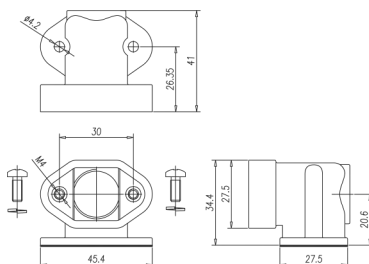
M20

PG16

TH3APR-MAGSV-PG16

TH3APR-MAGSV-M20

Bulkhead mounted: side entry



TH3APR-MAGS



## IP68/IP65 Hoods and Housings

THBPR (IP68) Series.

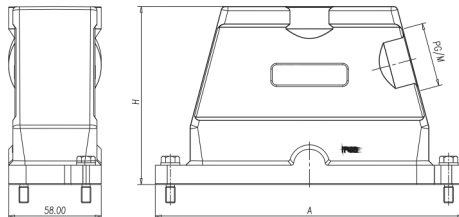
For use with THE (Pg 13) / THVE & THEE (Pg 16) / THEEE (Pg 15) / THDD (Pg 19) / THEAV (Pg 21) / THK (Pg 23) series inserts.

### Opposite Angle Locking

Hood: side entry



SIZE	A	H
TH6BPR	133	101
TH10BPR	146	101
TH16BPR	166	111
TH24BPR	193	111

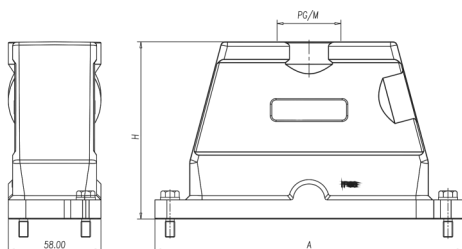


	Standard	Metric	PG	Type
TH6BPR			PG16	TH6BPR-TSH-PG16
			PG21	TH6BPR-TSH-PG21
			PG29	TH6BPR-TSH-PG29
TH6BPR		M20		TH6BPR-TSH-M20
		M25		TH6BPR-TSH-M25
		M32		TH6BPR-TSH-M32
TH10BPR			PG16	TH10BPR-TSH-PG16
			PG21	TH10BPR-TSH-PG21
			PG29	TH10BPR-TSH-PG29
TH10BPR		M20		TH10BPR-TSH-M20
		M25		TH10BPR-TSH-M25
		M32		TH10BPR-TSH-M32
TH16BPR			PG16	TH16BPR-TSH-PG16
			PG21	TH16BPR-TSH-PG21
			PG29	TH16BPR-TSH-PG29
TH16BPR		M25		TH16BPR-TSH-M25
		M32		TH16BPR-TSH-M32
		M40		TH16BPR-TSH-M40
TH24BPR			PG16	TH24BPR-TSH-PG16
			PG21	TH24BPR-TSH-PG21
			PG29	TH24BPR-TSH-PG29
TH24BPR		M25		TH24BPR-TSH-M25
		M32		TH24BPR-TSH-M32
		M40		TH24BPR-TSH-M40

Hood: top entry



SIZE	A	H
TH6BPR	133	101
TH10BPR	146	101
TH16BPR	166	111
TH24BPR	193	111



TH6BPR			PG16	TH6BPR-TGH-PG16
			PG21	TH6BPR-TGH-PG21
			PG29	TH6BPR-TGH-PG29
TH6BPR		M20		TH6BPR-TGH-M20
		M25		TH6BPR-TGH-M25
		M32		TH6BPR-TGH-M32
TH10BPR			PG16	TH10BPR-TGH-PG16
			PG21	TH10BPR-TGH-PG21
			PG29	TH10BPR-TGH-PG29
TH10BPR		M20		TH10BPR-TGH-M20
		M25		TH10BPR-TGH-M25
		M32		TH10BPR-TGH-M32
TH16BPR			PG16	TH16BPR-TGH-PG16
			PG21	TH16BPR-TGH-PG21
			PG29	TH16BPR-TGH-PG29
TH16BPR		M25		TH16BPR-TGH-M25
		M32		TH16BPR-TGH-M32
		M40		TH16BPR-TGH-M40
TH24BPR			PG16	TH24BPR-TGH-PG16
			PG21	TH24BPR-TGH-PG21
			PG29	TH24BPR-TGH-PG29
TH24BPR		M25		TH24BPR-TGH-M25
		M32		TH24BPR-TGH-M32
		M40		TH24BPR-TGH-M40





## IP68/IP65 Hoods and Housings

THBPR (IP68) Series.

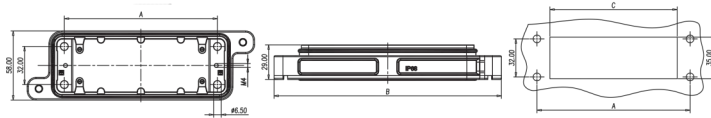
For use with THE (Pg 13) / THVE & THEE (Pg 16) / THEEE (Pg 15) / THD (Pg 17) / THDD (Pg 19) / THEAV (Pg 21) / THKW & THDAV (Pg 22) / THK (Pg 23) series inserts.

### Opposite Angle Locking

Bulkhead mounted



SIZE	A	B	C
TH6BPR	70	133	48
TH10BPR	83	146	60
TH16BPR	103	166	82
TH24BPR	130	193	108



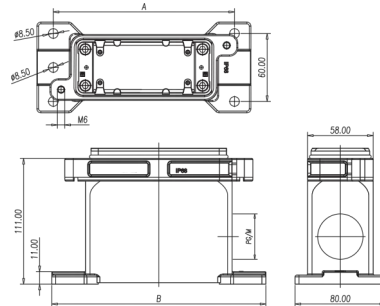
Standard      Metric      PG      Type

TH6BPR			TH6BPR-AG
TH10BPR			TH10BPR-AG
TH16BPR			TH16BPR-AG
TH24BPR			TH24BPR-AG

Straight surface mounted



SIZE	A	B
TH6BPR	127	156
TH10BPR	140	169
TH16BPR	160	189
TH24BPR	180	216

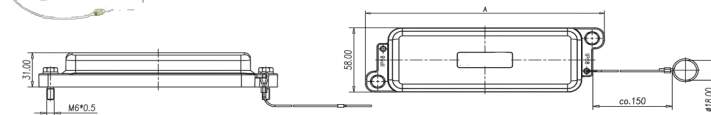


TH6BPR	PG21 PG29	TH6BPR-SGRH-PG21 TH6BPR-SGRH-PG29
	M25 M32	TH6BPR-SGRH-M25 TH6BPR-SGRH-M32
TH10BPR	PG21 PG29	TH10BPR-SGRH-PG21 TH10BPR-SGRH-PG29
	M25 M32	TH10BPR-SGRH-M25 TH10BPR-SGRH-M32
TH16BPR	PG21 PG29 PG36	TH16BPR-SGRH-PG21 TH16BPR-SGRH-PG29 TH16BPR-SGRH-PG36
	M25 M32 M40	TH16BPR-SGRH-M25 TH16BPR-SGRH-M32 TH16BPR-SGRH-M40
	PG21 PG29 PG36	TH24BPR-SGRH-PG21 TH24BPR-SGRH-PG29 TH24BPR-SGRH-PG36
TH24BPR	M25 M32 M40	TH24BPR-SGRH-M25 TH24BPR-SGRH-M32 TH24BPR-SGRH-M40

Cover



SIZE	A
TH6BPR	133
TH10BPR	146
TH16BPR	166
TH24BPR	193

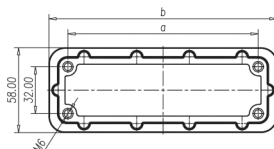


TH6BPR	TH6BPR-KDB
TH10BPR	TH10BPR-KDB
TH16BPR	TH16BPR-KDB
TH24BPR	TH24BPR-KDB

Frame



SIZE	A	B
TH6BPR	70	96
TH10BPR	83	109
TH16BPR	103	129
TH24BPR	130	156



TH6BPR	TH6BPR-FRAME
TH10BPR	TH10BPR-FRAME
TH16BPR	TH16BPR-FRAME
TH24BPR	TH24BPR-FRAME



## IP68/IP65 Hoods and Housings

THBPR (IP68) Series.

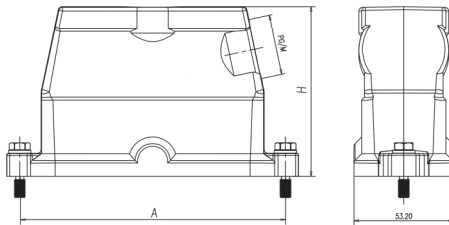
For use with THE (Pg 13) / THVE & THEE (Pg 16) / THEEE (Pg 15) / THDD (Pg 19) / THEAV (Pg 21) / THK (Pg 23) series inserts.

### Central Locking

Hood: side entry



SIZE	A	H
TH6BPR	96	70
TH10BPR	110	70
TH16BPR	130	80
TH24BPR	156	80

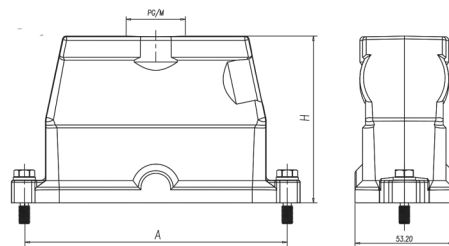


Standard	Metric	PG	Type
TH6BPR	M25 M32 M40	PG21	TH6BPR-TSHC-PG21
		PG29	TH6BPR-TSHC-PG29
		PG36	TH6BPR-TSHC-PG36
TH10BPR	M25 M32 M40	PG21	TH10BPR-TSHC-PG21
		PG29	TH10BPR-TSHC-PG29
		PG36	TH10BPR-TSHC-PG36
TH16BPR	M25 M32 M40	PG21	TH16BPR-TSHC-PG21
		PG29	TH16BPR-TSHC-PG29
		PG36	TH16BPR-TSHC-PG36
TH24BPR	M25 M32 M40	PG21	TH24BPR-TSHC-PG21
		PG29	TH24BPR-TSHC-PG29
		PG36	TH24BPR-TSHC-PG36

Hood: top entry



SIZE	A	H
TH6BPR	96	70
TH10BPR	110	70
TH16BPR	130	80
TH24BPR	156	80

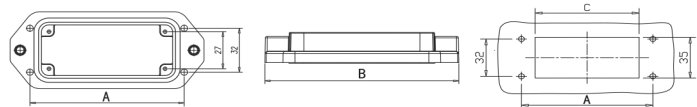


TH6BPR	M25 M32 M40	PG21	TH6BPR-TGHC-PG21
		PG29	TH6BPR-TGHC-PG29
		PG36	TH6BPR-TGHC-PG36
TH10BPR	M25 M32 M40	PG21	TH10BPR-TGHC-PG21
		PG29	TH10BPR-TGHC-PG29
		PG36	TH10BPR-TGHC-PG36
TH16BPR	M25 M32 M40	PG21	TH16BPR-TGHC-PG21
		PG29	TH16BPR-TGHC-PG29
		PG36	TH16BPR-TGHC-PG36
TH24BPR	M25 M32 M40	PG21	TH24BPR-TGHC-PG21
		PG29	TH24BPR-TGHC-PG29
		PG36	TH24BPR-TGHC-PG36

Bulkhead mounted

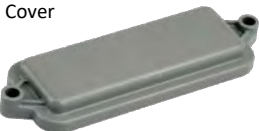


SIZE	A	B	C
TH6BPR	70	96	48
TH10BPR	83	110	60
TH16BPR	103	130	82
TH24BPR	130	156	108



TH6BPR	TH6BPR-AGC
TH10BPR	TH10BPR-AGC
TH16BPR	TH16BPR-AGC
TH24BPR	TH24BPR-AGC

Cover



TH6BPR	TH6BPR-KDBP
TH10BPR	TH10BPR-KDBP
TH16BPR	TH16BPR-KDBP
TH24BPR	TH24BPR-KDBP



## IP68/IP65 Hoods and Housings

THB (IP65) Series

For use with THE (Pg 13) / THVE & THEE (Pg 16) / THEEE (Pg 15) / THD (Pg 17) / THDD (Pg 19) / THEAV (Pg 21) / THWK & THDAV (Pg 22) / THK (Pg 23) series inserts.

### Central Locking Lever

Hood: side entry



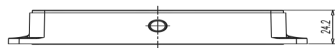
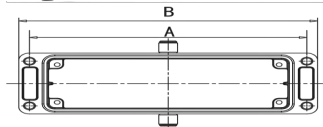
Hood: top entry



Bulkhead mounted



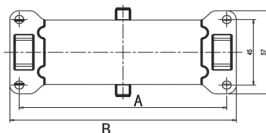
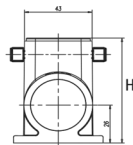
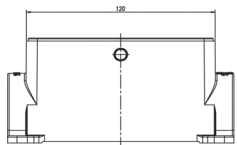
SIZE	A	B	Dimension
TH10B	83	93	60 x 35
TH16B	103	113	82 x 35
TH24B	130	140	108 x 35



Straight surface mounted



SIZE	A	B	H
TH10B	82	93	74
TH16B	105	117	81
TH24B	132	144	81



	Standard	Metric	PG	Type
TH10B		M25 M32	PG21	TH10B-TSH-RC-PG21
			PG29	TH10B-TSH-RC-PG29
				TH10B-TSH-RC-M25 TH10B-TSH-RC-M32
TH16B		M25 M32 M40	PG21	TH16B-TSH-RC-PG21
			PG29	TH16B-TSH-RC-PG29
				TH16B-TSH-RC-M25 TH16B-TSH-RC-M32 TH16B-TSH-RC-M32
TH24B		M25 M32 M40	PG21	TH24B-TSH-RC-PG21
			PG29	TH24B-TSH-RC-PG29
				TH24B-TSH-RC-M25 TH24B-TSH-RC-M32 TH24B-TSH-RC-M40
TH10B		M25 M32	PG21	TH10B-TGH-RC-PG21
			PG29	TH10B-TGH-RC-PG29
				TH10B-TGH-RC-M25 TH10B-TGH-RC-M32
TH16B		M25 M32 M40	PG21	TH16B-TGH-RC-PG21
			PG29	TH16B-TGH-RC-PG29
				TH16B-TGH-RC-M25 TH16B-TGH-RC-M32 TH16B-TGH-RC-M40
TH24B		M25 M32 M40	PG21	TH24B-TGH-RC-PG21
			PG29	TH24B-TGH-RC-PG29
				TH24B-TGH-RC-M25 TH24B-TGH-RC-M32 TH24B-TGH-RC-M40
TH10B	M25 M32	PG21 PG29		TH10B-AGR-RC
				TH16B-AGR-RC
				TH24B-AGR-RC
TH10B	M25 M32	PG21 PG29		TH10B-SGRH-RC-PG21
				TH10B-SGRH-RC-PG29
				TH10B-SGRH-RC-M25 TH10B-SGRH-RC-M32
TH16B	M25 M32	PG21 PG29		TH16B-SGRH-RC-PG21
				TH16B-SGRH-RC-PG29
				TH16B-SGRH-RC-M25 TH16B-SGRH-RC-M32
TH24B	M25 M32	PG21 PG29		TH24B-SGRH-RC-PG21
				TH24B-SGRH-RC-PG29
				TH24B-SGRH-RC-M25 TH24B-SGRH-RC-M32



## IP68/IP65 Hoods and Housings

### Special Hoods (IP65) Series

For use with THE (Pg 13) / THVE & THEE (Pg 16) / THEEE (Pg 15) / THD (Pg 17) / THDD (Pg 19) / THEAV (Pg 21) / THWK & THDAV (Pg 22) / THK (Pg 23) series inserts.

### Special Hoods

Hood: top entry



Standard	Metric	PG	Type
TH10B		2 x PG16	TH10B-TGH-2PG16
	2 x M20		TH10B-TGH-2M20
TH16B		2 x PG21	TH16B-TGH-2PG21
	2 x M25		TH16B-TGH-2M25
TH24B		2 x PG21	TH24B-TGH-2PG21
	2 x M25		TH24B-TGH-2M25

Hood: side entry



TH10B		2 x PG16	TH10B-TFH-2PG16
	2 x M20		TH10B-TFH-2M20
TH16B		2 x PG21	TH16B-TFH-2PG21
	2 x M25		TH16B-TFH-2M25
TH24B		2 x PG21	TH24B-TFH-2PG21
	2 x M25		TH24B-TFH-2M25



# Cable Glands and Accessories

## Cable Fittings and Accessories

Cross reference from PG thread to Metric thread

PG	Cross Reference	Metric
PG11	→	M20
PG13.5		
PG16	→	M25
PG21	→	
PG29	→	M32
PG36	→	M40
PG42	→	M50



TTS offers a well balanced assortment of cable glands for different applications

Cable glands are made from plastic and brass

EMC cable glands

For hazardous area - in accordance with EN 50014, EN 50019

## Cable Glands (brass nickel-plated)



Material: Nickel-plated brass  
 Press seal material: PA  
 Seal material: NBR  
 Temperature range: -40° C to +100° C  
 Protection: IP68

Metric	PG	Clamp Range (mm)	Type
	PG7	2 ~ 5 3 ~ 6.5	TDLX-7-MTS TDLX-7-MS
	PG9	2 ~ 6 4 ~ 8	TDLX-9-MTS TDLX-9-MS
	PG11	3 ~ 7 5 ~ 10	TDLX-11-MTS TDLX-11-MS
	PG13.5	5 ~ 9 6 ~ 12	TDLX-13-MTS TDLX-13-MS
	PG16	7 ~ 12 10 ~ 14	TDLX-16-MTS TDLX-16-MS
	PG21	9 ~ 16 13 ~ 18	TDLX-21-MTS TDLX-21-MS
	PG29	13 ~ 20 18 ~ 25	TDLX-29-MTS TDLX-29-MS
	PG36	20 ~ 26 22 ~ 32	TDLX-36-MTS TDLX-36-MS
	PG42	25 ~ 31 32 ~ 38	TDLX-42-MTS TDLX-42-MS
	PG48	29 ~ 35 37 ~ 44	TDLX-48-MTS TDLX-48-MS
M12 x 1.5		2 ~ 5 3 ~ 6.5	TDLX-12-MT TDLX-12-M
M16 x 1.5		2 ~ 6 4 ~ 8 5 ~ 10	TDLX-16-MT TDLX-16-M TDLX-16-MB
M20 x 1.5		5 ~ 9 6 ~ 12 10 ~ 14	TDLX-20-MT TDLX-20-M TDLX-20-MB
M25 x 1.5		9 ~ 16 13 ~ 18	TDLX-25-MT TDLX-25-M
M32 x 1.5		13 ~ 20 18 ~ 25	TDLX-32-MT TDLX-32-M
M40 x 1.5		20 ~ 26 22 ~ 32	TDLX-40-MT TDLX-40-M
M50 x 1.5		25 ~ 31 32 ~ 38	TDLX-50-MT TDLX-50-M
M63 x 1.5		29 ~ 35 37 ~ 44	TDLX-63-MT TDLX-63-M



## Cable Fittings and Accessories

### Cable Glands (nylon sealing insert)



Material: Polyamide  
 Press seal material: PA  
 Seal material: NBR  
 Temperature range: -40° C to +100° C  
 Protection: IP68

Metric	PG	Clamp Range (mm)	Type
	PG7	2 ~ 5 3 ~ 6.5	TDLX-7-PT TDLX-7-P
	PG9	2 ~ 6 4 ~ 8	TDLX-9-PT TDLX-9-P
	PG11	3 ~ 7 5 ~ 10	TDLX-11-PT TDLX-11-P
	PG13.5	5 ~ 9 6 ~ 12	TDLX-13-PT TDLX-13-P
	PG16	7 ~ 12 10 ~ 14	TDLX-16-PT TDLX-16-P
	PG21	9 ~ 16 13 ~ 18	TDLX-21-PT TDLX-21-P
	PG29	13 ~ 20 18 ~ 25	TDLX-29-PT TDLX-29-P
	PG36	20 ~ 26 22 ~ 32	TDLX-36-PT TDLX-36-P
	PG42	25 ~ 31 32 ~ 38	TDLX-42-PT TDLX-42-P
	PG48	29 ~ 35 37 ~ 44	TDLX-48-PT TDLX-48-P
M12 x 1.5		2 ~ 5 3 ~ 6.5	TDLX-12-PMT TDLX-12-PM
M16 x 1.5		2 ~ 6 4 ~ 8	TDLX-16-PMT TDLX-16-PM
M20 x 1.5		5 ~ 9 6 ~ 12	TDLX-20-PMT TDLX-20-PM
M25 x 1.5		9 ~ 16 13 ~ 18	TDLX-25-PMT TDLX-25-PM
M32 x 1.5		13 ~ 20 18 ~ 25	TDLX-32-PMT TDLX-32-PM
M40 x 1.5		20 ~ 26 22 ~ 32	TDLX-40-PMT TDLX-40-PM
M50 x 1.5		25 ~ 31 32 ~ 38	TDLX-50-PMT TDLX-50-PM
M63 x 1.5		29 ~ 35 37 ~ 44	TDLX-63-PMT TDLX-63-PM

### Metal Exhaust Fitting



Material: Nickel-plated brass  
 Temperature range: -40° C to +100° C

	PG21		TVA-21-MS
	PG29		TVA-29-MS
M25			TVA-25-M
M32			TVA-32-M



## Cable Fittings and Accessories

### Multiple Sealing Insert Metal Cable Gland



Material: Nickel –plated brass  
 Seal material: TPE/EPDM  
 Temperature range: -40° C to +100° C  
 Protection: IP65  
 Seal material colours: White  
 (consult us for other colours)

Metric	PG	Clamp Range (mm)	Type
	PG13.5	2 x 3	TDLX-13-KMS
	PG16	3 x 4	TDLX-16-KMS
	PG16	2 x 5	TDLX-16-KMS
	PG21	4 x 6.5	TDLX-21-1KMS
	PG21	3 x 7	TDLX-21-2KMS
	PG21	2 x 6	TDLX-21-3KMS
	PG21	2 x 8	TDLX-21-4KMS
	PG29	6 x 6.5	TDLX-29-1KMS
	PG29	4 x 9	TDLX-29-2KMS
	PG29	3 x 9	TDLX-29-3KMS
	PG36	5 x 9	TDLX-36-1KMS
	PG36	6 x 8	TDLX-36-2KMS
	PG42	4 x 12	TDLX-42-1KMS
	PG42	5 x 10	TDLX-42-2KMS
	PG48	6 x 12	TDLX-48-1KMS
	PG48	3 x 18	TDLX-48-2KMS
M16 x 1.5		2 x 3	TDLX-16-KM
M20 x 1.5		3 x 4	TDLX-20-KM
M20 x 1.5		2 x 5	TDLX-20-KM
M25 x 1.5		4 x 6.5	TDLX-25-1KM
M25 x 1.5		3 x 7	TDLX-25-2KM
M25 x 1.5		2 x 6	TDLX-25-3KM
M25 x 1.5		2 x 8	TDLX-25-4KM
M32 x 1.5		6 x 6.5	TDLX-32-1KM
M32 x 1.5		4 x 9	TDLX-32-2KM
M32 x 1.5		3 x 9	TDLX-32-3KM
M40 x 1.5		5 x 9	TDLX-40-1KM
M40 x 1.5		6 x 8	TDLX-40-2KM
M50 x 1.5		4 x 12	TDLX-50-1KM
M50 x 1.5		5 x 10	TDLX-50-2KM
M63 x 1.5		6 x 12	TDLX-63-1KM
M63 x 1.5		3 x 18	TDLX-63-2KM

### Multiple Sealing Insert Nylon Cable Gland



Material: PA  
 Seal material: EPDM  
 Temperature range: -40° C to +100° C  
 Protection: IP65  
 Seal material colours: White  
 (consult us for other colours)

	PG13.5	2 x 3	TDLX-13-KPMS
	PG16	3 x 4	TDLX-16-KPMS
	PG16	2 x 5	TDLX-16-KPMS
	PG21	4 x 6.5	TDLX-21-1KPMS
	PG21	3 x 7	TDLX-21-2KPMS
	PG21	2 x 6	TDLX-21-3KPMS
	PG21	2 x 8	TDLX-21-4KPMS
	PG29	6 x 6.5	TDLX-29-1KPMS
	PG29	4 x 9	TDLX-29-2KPMS
	PG29	3 x 9	TDLX-29-3KPMS
	PG36	5 x 9	TDLX-36-1KPMS
	PG36	6 x 8	TDLX-36-2KPMS
	PG42	4 x 12	TDLX-42-1KPMS
	PG42	5 x 10	TDLX-42-2KPMS
	PG48	6 x 12	TDLX-48-1KPMS
	PG48	3 x 18	TDLX-48-2KPMS
M16 x 1.5		2 x 3	TDLX-16-KPM
M20 x 1.5		3 x 4	TDLX-20-KPM
M20 x 1.5		2 x 5	TDLX-20-KPM
M25 x 1.5		4 x 6.5	TDLX-25-1KPM
M25 x 1.5		3 x 7	TDLX-25-2KPM
M25 x 1.5		2 x 6	TDLX-25-3KPM
M25 x 1.5		2 x 8	TDLX-25-4KPM
M32 x 1.5		6 x 6.5	TDLX-32-1KPM
M32 x 1.5		4 x 9	TDLX-32-2KPM
M32 x 1.5		3 x 9	TDLX-32-3KPM
M40 x 1.5		5 x 9	TDLX-40-1KPM
M40 x 1.5		6 x 8	TDLX-40-2KPM
M50 x 1.5		4 x 12	TDLX-50-1KPM
M50 x 1.5		5 x 10	TDLX-50-2KPM
M63 x 1.5		6 x 12	TDLX-63-1KPM
M63 x 1.5		3 x 18	TDLX-63-2KPM



## Cable Fittings and Accessories

### Special Sealing Insert Glands



Sealing with different colours



Material: Nickel-plated brass  
 Seal material: TPE/EPDM  
 Temperature range: -40° C to +100° C  
 Protection: IP65  
 Seal material colours: Black (consult us for other colours)

Metric	PG	Clamp Range (mm)	Type
	PG9	2 ~ 3.5 3.5 ~ 6 6 ~ 9	TDLX-9-MSET TDLX-9-MSEZ TDLX-9-MSE
	PG11	6 ~ 8.5 8.5 ~ 11 11 ~ 13.5	TDLX-11-MSET TDLX-11-MSEZ TDLX-11-MSE
	PG13.5	8.5 ~ 11 11 ~ 13.5 13.5 ~ 15	TDLX-13-MSET TDLX-13-MSEZ TDLX-13-MSE
	PG16	9 ~ 12 12 ~ 14 14 ~ 16	TDLX-16-MSET TDLX-16-MSEZ TDLX-16-MSE
	PG21	13.5 ~ 16 16 ~ 17.5 17.5 ~ 19	TDLX-21-MSET TDLX-21-MSEZ TDLX-21-MSE
	PG29	17.5 ~ 21 21 ~ 23.5 23.5 ~ 25	TDLX-29-MSET TDLX-29-MSEZ TDLX-29-MSE
	PG36	20 ~ 24 24 ~ 28 28 ~ 32	TDLX-36-MSET TDLX-36-MSEZ TDLX-36-MSE
M16 x 1.5		2 ~ 3.5 3.5 ~ 6 6 ~ 9	TDLX-16-MET TDLX-16-MEZ TDLX-16-ME
M20 x 1.5		8.5 ~ 11 11 ~ 13.5 13.5 ~ 15	TDLX-20-MET TDLX-20-MEZ TDLX-20-ME
M25 x 1.5		13.5 ~ 16 16 ~ 17.5 17.5 ~ 19 20 ~ 22	TDLX-25-MET TDLX-25-MEZ TDLX-25-ME TDLX-25-MED
M32 x 1.5		17.5 ~ 21 21 ~ 23.5 23.5 ~ 25	TDLX-32-MET TDLX-32-MEZ TDLX-32-ME
M40 x 1.5		20 ~ 24 24 ~ 28 28 ~ 32	TDLX-40-MET TDLX-40-MEZ TDLX-40-ME

### EMC Cable Glands



Material: Nickel-plated brass  
 Press seal material: PA  
 Seal material: EPDM  
 Temperature range: -40° C to +100° C  
 Protection: IP68

	PG9	4 ~ 8	TDLX-9-MSC
	PG11	5 ~ 10	TDLX-11-MSC
	PG13.5	6 ~ 12	TDLX-13-MSC
	PG16	10 ~ 14	TDLX-16-MSC
	PG21	13 ~ 18	TDLX-21-MSC
	PG29	18 ~ 25	TDLX-29-MSC
	PG36	22 ~ 32	TDLX-36-MSC
	PG42	32 ~ 38	TDLX-42-MSC
	PG48	37 ~ 44	TDLX-48-MSC
M16 x 1.5		2 ~ 6 4 ~ 8	TDLX-16-MTC TDLX-16-MC
M20 x 1.5		5 ~ 9 6 ~ 12	TDLX-20-MTC TDLX-20-MC
M25 x 1.5		9 ~ 16 13 ~ 18	TDLX-25-MTC TDLX-25-MC
M32 x 1.5		13 ~ 20 18 ~ 25	TDLX-32-MTC TDLX-32-MC
M40 x 1.5		20 ~ 26 22 ~ 32	TDLX-40-MTC TDLX-40-MC
M50 x 1.5		25 ~ 31 32 ~ 38	TDLX-50-MTC TDLX-50-MC
M63 x 1.5		29 ~ 35 37 ~ 44	TDLX-63-MTC TDLX-63-MC





## Cable Fittings and Accessories

### Metal Glands with Multiple Seal



Material: Nickel-plated brass  
 Seal material: NBR  
 Temperature range: -40° C to +100° C  
 Protection: IP65

Metric	PG	Clamp Range (mm)	Type
	PG9	5 ~ 10	TDSM-9
	PG11	7 ~ 12	TDSM-11
	PG13.5	7 ~ 12	TDSM-13
	PG16	7 ~ 15	TDSM-16
	PG21	10 ~ 19	TDSM-21
	PG29	18 ~ 27	TDSM-29
	PG36	24 ~ 32	TDSM-36
	PG42	30 ~ 39	TDSM-42
	PG48	36 ~ 45	TDSM-48
M12		5 ~ 10	TDSM-12-M
M16		6.5 ~ 10	TDSM-16-M
M20		8.5 ~ 13.5	TDSM-20-M
M25		13 ~ 20	TDSM-25-M
M32		19 ~ 28	TDSM-32-M
M40		24 ~ 34	TDSM-40-M
M50		34 ~ 40	TDSM-50-M
M63		39 ~ 46	TDSM-63-M

### Metal Glands with Normal Seal



Material: Nickel-plated brass  
 Seal material: NBR  
 Temperature range: -40° C to +100° C  
 Protection: IP54

	PG9	8 ~ 10	TDSM-9-S
	PG11	10 ~ 12	TDSM-11-S
	PG13.5	12 ~ 14	TDSM-13-S
	PG16	14 ~ 16	TDSM-16-S
	PG21	17 ~ 19	TDSM-21-S
	PG29	23 ~ 25	TDSM-29-S
	PG36	33 ~ 35	TDSM-36-S
	PG42	39 ~ 41	TDSM-42-S
	PG48	45 ~ 47	TDSM-48-S
M12		5 ~ 7	TDSM-12-SM
M16		8 ~ 10	TDSM-16-SM
M20		10 ~ 12	TDSM-20-SM
M25		15 ~ 17	TDSM-25-SM
M32		24 ~ 26	TDSM-32-SM
M40		28 ~ 30	TDSM-40-SM
M50		39 ~ 41	TDSM-50-SM
M63		45 ~ 47	TDSM-63-SM



## Cable Fittings and Accessories

### Metal Glands with Multiple Seal



Material: Nickel-plated brass  
 Seal material: NBR  
 Temperature range: -40° C to +100° C  
 Protection: IP65

Metric	PG	Clamp Range (mm)	Type
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	PG9	5 ~ 10	TDCSM-9
	PG11	7 ~ 12	TDCSM-11
	PG13.5	7 ~ 12	TDCSM-13
	PG16	7 ~ 15	TDCSM-16
	PG21	10 ~ 19	TDCSM-21
	PG29	18 ~ 27	TDCSM-29
	PG36	24 ~ 32	TDCSM-36
	PG42	30 ~ 39	TDCSM-42
	PG48	36 ~ 45	TDCSM-48
M12		5 ~ 10	TDCSM-12-M
M16		6.5 ~ 10	TDCSM-16-M
M20		8.5 ~ 13.5	TDCSM-20-M
M25		13 ~ 20	TDCSM-25-M
M32		19 ~ 28	TDCSM-32-M
M40		24 ~ 34	TDCSM-40-M
M50		34 ~ 40	TDCSM-50-M
M63		39 ~ 46	TDCSM-63-M

### Metal Glands with Normal Seal



Material: Nickel-plated brass  
 Seal material: NBR  
 Temperature range: -40° C to +100° C  
 Protection: IP54

	PG9	8 ~ 10	TDCSM-9-S
	PG11	10 ~ 12	TDCSM-11-S
	PG13.5	12 ~ 14	TDCSM-13-S
	PG16	14 ~ 16	TDCSM-16-S
	PG21	17 ~ 19	TDCSM-21-S
	PG29	23 ~ 25	TDCSM-29-S
	PG36	33 ~ 35	TDCSM-36-S
	PG42	39 ~ 41	TDCSM-42-S
	PG48	45 ~ 47	TDCSM-48-S
M12		5 ~ 7	TDCSM-12-SM
M16		8 ~ 10	TDCSM-16-SM
M20		10 ~ 12	TDCSM-20-SM
M25		15 ~ 17	TDCSM-25-SM
M32		24 ~ 26	TDCSM-32-SM
M40		28 ~ 30	TDCSM-40-SM
M50		39 ~ 41	TDCSM-50-SM
M63		45 ~ 47	TDCSM-63-SM



## Cable Fittings and Accessories

### Multiple Seal



Seal material: NBR  
 Temperature range: -40° C to +100° C  
 Protection: IP65

Metric	PG	Clamp Range (mm)	Type
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	PG9	5 ~ 10	TMSL-9
	PG11	7 ~ 12	TMSL-11
	PG13.5	7 ~ 12	TMSL-13
	PG16	7 ~ 15	TMSL-16
	PG21	10 ~ 19	TMSL-21
	PG29	18 ~ 27	TMSL-29
	PG36	24 ~ 32	TMSL-36
	PG42	30 ~ 39	TMSL-42
	PG48	36 ~ 45	TMSL-48
M12		5 ~ 10	TMSL-12-M
M16		6.5 ~ 10	TMSL-16-M
M20		8.5 ~ 13.5	TMSL-20-M
M25		13 ~ 20	TMSL-25-M
M32		19 ~ 28	TMSL-32-M
M40		24 ~ 34	TMSL-40-M
M50		34 ~ 40	TMSL-50-M
M63		39 ~ 46	TMSL-63-M

### Normal Seal



Seal material: NBR  
 Temperature range: -40° C to +100° C  
 Protection: IP54

	PG9	8 ~ 10	TSGL-9
	PG11	10 ~ 12	TSGL-11
	PG13.5	12 ~ 14	TSGL-13
	PG16	14 ~ 16	TSGL-16
	PG21	17 ~ 19	TSGL-21
	PG29	23 ~ 25	TSGL-29
	PG36	33 ~ 35	TSGL-36
	PG42	39 ~ 41	TSGL-42
	PG48	45 ~ 47	TSGL-48
M12		5 ~ 7	TSGL-12-M
M16		8 ~ 10	TSGL-16-M
M20		10 ~ 12	TSGL-20-M
M25		15 ~ 17	TSGL-25-M
M32		24 ~ 26	TSGL-32-M
M40		28 ~ 30	TSGL-40-M
M50		39 ~ 41	TSGL-50-M
M63		45 ~ 47	TSGL-63-M



## Cable Fittings and Accessories

### Metal Clamp Glands with Multiple Seal



Material: Nickel-plated brass  
 Seal material: NBR  
 Temperature range: -40° C to +100° C  
 Protection: IP65

Metric	PG	Clamp Range (mm)	Type
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	PG9	6.5 ~ 10	TZSM-9
	PG11	7.5 ~ 12	TZSM-11
	PG13.5	8.5 ~ 13.5	TZSM-13
	PG16	10.5 ~ 16	TZSM-16
	PG21	13 ~ 20	TZSM-21
	PG29	19 ~ 28	TZSM-29
	PG36	24 ~ 34	TZSM-36
	PG42	34 ~ 40	TZSM-42
	PG48	39 ~ 46	TZSM-48
M16		6.5 ~ 10	TZSM-16-M
M20		7.5 ~ 12	TZSM-20-M
M25		13 ~ 20	TZSM-25-M
M32		19 ~ 28	TZSM-32-M
M40		24 ~ 34	TZSM-40-M
M50		34 ~ 40	TZSM-50-M
M63		39 ~ 46	TZSM-63-M

### Metal Clamp Glands with Normal Seal



Material: Nickel-plated brass  
 Seal material: NBR  
 Temperature range: -40° C to +100° C  
 Protection: IP54

	PG7	6 ~ 8	TZSM-7-S
	PG9	8 ~ 10	TZSM-9-S
	PG11	10 ~ 12	TZSM-11-S
	PG13.5	12 ~ 14	TZSM-13-S
	PG16	14 ~ 16	TZSM-16-S
	PG21	17 ~ 19	TZSM-21-S
	PG29	26 ~ 28	TZSM-29-S
	PG36	33 ~ 35	TZSM-36-S
	PG42	39 ~ 41	TZSM-42-S
	PG48	43 ~ 45	TZSM-48-S
M12		6 ~ 8	TZSM-12-SM
M16		8 ~ 12	TZSM-16-SM
M20		10 ~ 12	TZSM-20-SM
M25		12 ~ 14	TZSM-25-SM
M32		17 ~ 19	TZSM-32-SM
M40		25 ~ 27	TZSM-40-SM
M50		39 ~ 41	TZSM-50-SM
M63		43 ~ 45	TZSM-63-SM



## Cable Fittings and Accessories

### Metal Clamp Glands



Material: Nickel-plated brass  
 Temperature range: -40° C to +100° C

Metric	PG	Clamp Range (mm)	Type
	PG7	5.5 ~ 8	TKSM-7-MS
	PG9	6.5 ~ 10	TKSM-9-MS
	PG11	7.5 ~ 12	TKSM-11-MS
	PG13.5	8.5 ~ 14	TKSM-13-MS
	PG16	9.5 ~ 16	TKSM-16-MS
	PG21	12 ~ 21	TKSM-21-MS
	PG29	19 ~ 30	TKSM-29-MS
	PG36	25 ~ 37	TKSM-36-MS
	PG42	31 ~ 43	TKSM-42-MS
	PG48	35 ~ 48	TKSM-48-MS
M12		5 ~ 7.5	TKSM-12-M
M16		7 ~ 10	TKSM-16-M
M20		10 ~ 14	TKSM-20-M
M25		12 ~ 21.5	TKSM-25-M
M32		16 ~ 27	TKSM-32-M
M40		23 ~ 33	TKSM-40-M
M50		25 ~ 38.5	TKSM-50-M
M63		39 ~ 46	TKSM-63-M

### Nylon Blind Plugs



Material: PA  
 Temperature range: -20° C to +70° C  
 Protection: IP65

	PG9		TDN-P9-P
	PG11		TDN-11-P
	PG13.5		TDN-13-P
	PG16		TDN-16-P
	PG21		TDN-21-P
	PG29		TDN-29-P
	PG36		TDN-36-P
	PG42		TDN-42-P
	PG48		TDN-48-P
M12		5 ~ 7.5	TDN-12-PM
M16		7 ~ 10	TDN-16-PM
M20		10 ~ 14	TDN-20-PM
M25		12 ~ 21.5	TDN-25-PM
M32		16 ~ 27	TDN-32-PM
M40		23 ~ 33	TDN-40-PM
M50		25 ~ 38.5	TDN-50-PM
M63		39 ~ 46	TDN-63-PM



## Cable Fittings and Accessories

### Metal Blind Plugs



Material: Nickel-plated brass  
 Temperature range: -40° C to +100° C  
 Protection: IP65

Metric

PG

Type

	PG7	TBLIND-7-MS
	PG9	TBLIND-9-MS
	PG11	TBLIND-11-MS
	PG13.5	TBLIND-13-MS
	PG16	TBLIND-16-MS
	PG21	TBLIND-21-MS
	PG29	TBLIND-29-MS
	PG36	TBLIND-36-MS
	PG42	TBLIND-42-MS
	PG48	TBLIND-48-MS
M12 x 1.5		TBLIND-12-M
M16 x 1.5		TBLIND-16-M
M20 x 1.5		TBLIND-20-M
M25 x 1.5		TBLIND-25-M
M32 x 1.5		TBLIND-32-M
M40 x 1.5		TBLIND-40-M
M50 x 1.5		TBLIND-50-M
M63 x 1.5		TBLIND-63-M

### Nylon Blind Plugs



Material: PA  
 Temperature range: -40° C to +100° C  
 Protection: IP65

	PG7	TBLIND-7-P
	PG9	TBLIND-9-P
	PG11	TBLIND-11-P
	PG13.5	TBLIND-13-P
	PG16	TBLIND-16-P
	PG21	TBLIND-21-P
	PG29	TBLIND-29-P
	PG36	TBLIND-36-P
	PG42	TBLIND-42-P
	PG48	TBLIND-48-P
M12 x 1.5		TBLIND-12-PM
M16 x 1.5		TBLIND-16-PM
M20 x 1.5		TBLIND-20-PM
M25 x 1.5		TBLIND-25-PM
M32 x 1.5		TBLIND-32-PM
M40 x 1.5		TBLIND-40-PM
M50 x 1.5		TBLIND-50-PM
M63 x 1.5		TBLIND-63-PM



## Cable Fittings and Accessories

### Cable Clamper



Material: Metal  
Protection: IP65

Dimensions Type

8 ~ 12	TBK 12
12 ~ 14	TBK 14
14 ~ 18	TBK 18
18 ~ 22	TBK 22
22 ~ 26	TBK 26
26 ~ 32	TBK 32
30 ~ 34	TBK 34
34 ~ 38	TBK 38
38 ~ 42	TBK 42
42 ~ 48	TBK 48
48 ~ 52	TBK 52
52 ~ 56	TBK 56
56 ~ 60	TBK 60
60 ~ 64	TBK 64
64 ~ 70	TBK 70

Rail Adaptor System	Type	Dimensions
	T C-Type rail	CR40

### Cable Clamper



Material: Stainless steel  
Protection: IP65

8 ~ 12	TBK ~ S 12
12 ~ 14	TBK ~ S 14
14 ~ 18	TBK ~ S 18
18 ~ 22	TBK ~ S 22
22 ~ 26	TBK ~ S 26
26 ~ 32	TBK ~ S 32
30 ~ 34	TBK ~ S 34
34 ~ 38	TBK ~ S 38
38 ~ 42	TBK ~ S 42
42 ~ 48	TBK ~ S 48
48 ~ 52	TBK ~ S 52
52 ~ 56	TBK ~ S 56
56 ~ 60	TBK ~ S 60
60 ~ 64	TBK ~ S 64
64 ~ 70	TBK ~ S 70

Rail Adaptor System	Type	Dimensions
	T C-Type rail	CR40

Direct installation yokes



3 - 8	TSKT3-8SC
4 - 13.5	TSKT4-13SC
10 - 20	TSKT10-20SC
15 - 32	TSKT15-32SC

Direct rail mounting



3 - 8	TSKTP3-8SC
4 - 13.5	TSKTP4-13SC
10 - 20	TSKTP10-20SC
15 - 32	TSKTP15-32SC

Mounting rails



2 - 6	TSKT2-6
3 - 8	TSKT3-8
4 - 13.5	TSKT4-13.5
10 - 20	TSKT10-20
15 - 32	TSKT15-32

Quick installation yokes



1.5 - 6.5	TQSKT1-6
5 - 11	TQSKT5-11
10 - 17	TQSKT10-17



## Cable Fittings and Accessories

### Metal Cable Gland



Material: Nickel-plated brass  
 Press seal material: PA  
 Seal material: NBR  
 Temperature range: -40° C to +100° C  
 Protection: IP68

Metric	PG	Clamp Range (mm)	Type
	PG7	2 ~ 5 3 ~ 6.5	TDLX-7-NMTS TDLX-7-NMS
	PG9	2 ~ 6 4 ~ 8	TDLX-9-NMTS TDLX-9-NMS
	PG11	3 ~ 7 5 ~ 10	TDLX-11-NMTS TDLX-11-NMS
	PG13.5	5 ~ 9 6 ~ 12	TDLX-13-NMTS TDLX-13-NMS
	PG16	7 ~ 12 10 ~ 14	TDLX-16-NMTS TDLX-16-NMS
	PG21	9 ~ 16 13 ~ 18	TDLX-21-NMTS TDLX-21-NMS
	PG29	13 ~ 20 18 ~ 25	TDLX-29-NMTS TDLX-29-NMS
	PG36	20 ~ 26 22 ~ 32	TDLX-36-NMTS TDLX-36-NMS
	PG42	25 ~ 31 32 ~ 38	TDLX-42-NMTS TDLX-42-NMS
	PG48	29 ~ 35 37 ~ 44	TDLX-48-NMTS TDLX-48-NMS
M12 x 1.5		2 ~ 5 3 ~ 6.5	TDLX-12-NMT TDLX-12-NM
M16 x 1.5		2 ~ 6 4 ~ 8	TDLX-16-NMT TDLX-16-NM
M20 x 1.5		5 ~ 9 6 ~ 12	TDLX-20-NMT TDLX-20-NM
M25 x 1.5		9 ~ 16 13 ~ 18	TDLX-25-NMT TDLX-25-NM
M32 x 1.5		13 ~ 20 18 ~ 25	TDLX-32-NMT TDLX-32-NM
M40 x 1.5		20 ~ 26 22 ~ 32	TDLX-40-NMT TDLX-40-NM
M50 x 1.5		25 ~ 31 32 ~ 38	TDLX-50-NMT TDLX-50-NM
M63 x 1.5		29 ~ 35 37 ~ 44	TDLX-63-NMT TDLX-63-NM

### Angled Metal Cable Glands



Material: Nickel-plated brass  
 Temperature range: -40° C to +100° C  
 Protection: IP68

	PG9	Ø11	TSTUD-9-MS
	PG11	Ø14	TSTUD-11-MS
	PG13.5	Ø16	TSTUD-13-MS
	PG16	Ø18	TSTUD-16-MS
	PG21	Ø21	TSTUD-21-MS
	PG29	Ø31	TSTUD-29-MS
M16 x 1.5		Ø12	TSTUD-16-M
M20 x 1.5		Ø15.5	TSTUD-20-M
M25 x 1.5		Ø20.5	TSTUD-25-M
M32 x 1.5		Ø27.5	TSTUD-32-M
M40 x 1.5		Ø34.5	TSTUD-40-M





## Cable Fittings and Accessories

### Inside and Outside Thread Adaptor



Material: Nickel-plated brass  
 Temperature range: -40° C to +100° C

Metric	PG	Type
	PG11	TSTUD-PG11
	PG13.5	TSTUD-PG13.5
	PG16	TSTUD-PG16
	PG21	TSTUD-PG21
	PG29	TSTUD-PG29
	PG36	TSTUD-PG36
M12 x 1.5		TSTUD-M12
M16 x 1.5		TSTUD-M16
M20 x 1.5		TSTUD-M20
M25 x 1.5		TSTUD-M25
M32 x 1.5		TSTUD-M32
M40 x 1.5		TSTUD-M40
M50 x 1.5		TSTUD-M50
M63 x 1.5		TSTUD-M63

### Cable Gland Clamps



Material: Nickel-plated brass  
 Temperature range: -30° C to +100° C  
 Protection: IP65

	TWSM-16-MS
	TWSM-21-MS
	TWSM-32-MS

### Cable Fitting



T5XECD



# Other Products in Our Range

**TransTechnical Solutions**

**Flexible Conduit Systems**  
FOR CRITICAL POWER AND DATA CABLE PROTECTION

Tel: +27 11 974 9679  
Fax: +27 11 974 9653  
Email: sales@ttsafrica.com  
Website: www.ttsafrica.com

PO Box 5094  
Delmenville  
1403

Unit F11, Roete 24  
Meadowdale  
Germiston

**Content**

**Metallic Flexible Systems:**  
A range of 3 different conduit types provide a solution for liquid resistant specifications with a further 3 conduit options in liquid tight covered steel conduit for especially demanding environments. Conduit ranges are offered in nominal conduit size from 3mm for CCTV/roller shutter doors and for protecting fibre optics cables right up to 75mm for larger cable carrying capacity.

**Non-Metallic Flexible Systems:**  
Our conduit range is available in many different materials, ranging from lightweight to heavyweight with nominal conduit sizes from 30mm right up to the jumbo size of 306mm. For more demanding applications there is a wide-ranging high specification series of conduit with enhanced low fire hazard properties, EMI screening and incorporating high fatigue life. Overbraided options are available for use in abrasive environments.

**Cable Protection for Hygienic Applications:**  
TTS are the leading solutions provider to protect your critical power and data cables in hygienic environments from damage caused by mechanical, electrical or environmental influences. This new range of hygienic flexible conduits offers a smooth, easy to clean surface. With the additional stainless steel hygienic fitting it creates a complete system ideal for food & beverage, machinery & OEMs, healthcare and pharmaceutical applications.

**Flexible Conduit Systems for Automotive Harnessing:**  
The Harnessflex® system is suitable for use on vehicles in a wide variety of markets and geographical locations. We provide harness solutions for agricultural vehicles, construction vehicles, engine manufacturers, harness manufacturers, truck and bus manufacturers, tanker and trailer manufacturers, specialist vehicle components and military vehicles.

**High Temperature Wiring Harnesses:**  
Harnessflex have created it's new range of high temperature conduits and fittings, designed to operate at temperatures up to 200°C. Created from the outset for use as a full system, the range is made from specialist co-polyester and polyamide respectively, that provide long-term heat, age, tensile, and impact strength to protect vital cable connections.

**Braided Protection:**  
Plastic braids manufactured from polyester and polyamide filaments – the other alternative solution for protecting and bundling cables. This cable protection system provides simple bundling and abrasion protection for cables and wires.

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**TransTechnical Solutions**

**Rigid and Underground Conduit Systems**  
FOR CRITICAL POWER AND DATA CABLE PROTECTION

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**Rigid Conduit Systems**

TTS supplies one of the broadest variety of rigid fittings and accessories which includes large, small and circle boxes, box covers, hooks, couplings, elbows, tees, saddles and more .

All products satisfy a uniform standard of quality and safety :

- Manufactured in accordance to SANS 61316 as well as BS31-BS4568-BS6053-BS6053-BS6099(I.E.C 614) needed.
- Each 4-metre/ 3.75-metre length of conduit is screwed both ends and comes complete with one solid coupling.
- The conduit finishes include hot dipped galvanised inside and outside, black enamelled inside and outside.

**Underground Conduit Systems**

- We offer a revolutionary, purpose designed flexible cable conduit system developed in Germany and manufactured in South Africa. It has a unique double walled corrugated construction and is manufactured from high density polyethylene (HDPE).

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## Other Products in our Range

# TransTechnical Solutions

## Heat Shrinkable Tubing

PROTECT AGAINST MOISTURE, CORROSION AND ABRASION

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## Content

**Heat Shrinkable End Caps:**  
 Heat shrinkable end caps are produced from cross linked polyolefin with an inner coating of hot melt adhesive.  
 • Shrink Ratio - 2:1

**Heat Shrinkable Breakouts:**  
 Heat shrinkable breakouts are produced from cross linked polyolefin with an inner coating of hot melt adhesive.  
 Breakouts are suitable for termination of PVC and XLPE cable providing electrical insulation, sealing, water-proofing and resistance to chemical corrosion and abrasion.  
 • Voltage rating up to 35kV • Shrink Ratio - 2:1

**Tech Thin Wall Tubing:**  
 • Manufactured from stabilized polyolefin, Halogen Free non-lined 2:1 thin wall tubing.  
 • Extra clear heatshrink for use on power and data connections.

**Medium Wall Tubing:**  
 • Seals and protects cable splices and terminations  
 • Adhesive lining provides complete environmental protection and insulation.

**Heavy Wall Tubing:**  
 • When it comes to moisture proofing connections and terminations, heat shrinkable tubing, boots and end caps offer the greatest performance.  
 • Manufactured of cross linked polyolefin.

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# TransTechnical Solutions

## Wire Termination

FOR POWER CONNECTION

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TTS Wire terminals offer more copper and a wider funnel to assure premium connection with less work in a line that includes insulated and non-insulated terminals, splices, wire joints, disconnects, ferrules, heat shrinkable terminals, splices and disconnects.

<b>Disconnects &amp; Male Tabs</b> 	<b>Ferrules</b> 	<b>Flag Terminals</b> 
<b>Fork Terminals</b> 	<b>Ring Terminals</b> 	<b>Pin Terminals</b> 
<b>Heat Shrinkable Terminals, Splices, Disconnects</b> 	<b>Wire Joints</b> 	<b>Wire Termination Tools</b> 

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