

Metallic Systems

SPL Fitting Type A

Technical Characteristics

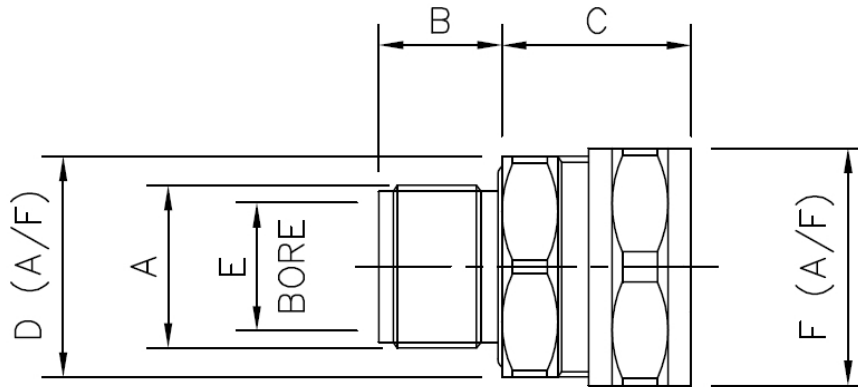
Conforms to	BSI Kitemark KM-35161 CE mark to the Low Voltage Directive Inherent Low Fire Hazard		
Approvals and Standards	 		
Degree of mechanical protection	Very High		
Degree of protection	IP67 - with all liquid tight conduit in the series		
UV protection	Very High		
Fitting characteristics	Straight fitting - Fixed external male thread		
Application	For insertion into knockouts using a locknut		
Normal operating temperature range	Application	Min Temp	Max Temp
	Static	- 65°C	+150°C
	Dynamic	- 45°C	+150°C
For use with - Conduit series	Type SPL , SPL-EF , SPLHC & SPUL		
Fire performance	Test Standard	Performance Rating	
	Not Rated	Not Rated	
Testing data	Click or see page 4		
Type of material	Nickel Plated Brass, Co-Polyester seal - Nylon inserts		
Image			

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Dimensional Data

Part No	Thread A	Nominal Dimensions (mm)				Nominal Conduit - $\varnothing$ F (mm)
		B	C	D	E	
TSPL10/M16/A	M16 x 1.0	10.	18.0	18.0	5.7	18.0
TSPL12/M16/A	M16 x 1.5	13.0	18.0	20.6	8.6	20.6
TSPL16/M16/A	M16 x 1.5	13.0	20.0	22.0	10.3	24.0
TSPL16/M20/A	M20 x 1.5	13.5	20.0	24.0	10.3	24.0
TSPL20/M20/A	M20 x 1.5	15.0	22.0	25.4	14.3	24.0
TSPL25/M25/A	M25 x 1.5	17.0	28.0	32.0	17.6	27.0
TSPL32/M32/A	M32 x 1.5	19.0	34.0	38.0	24.0	34.0

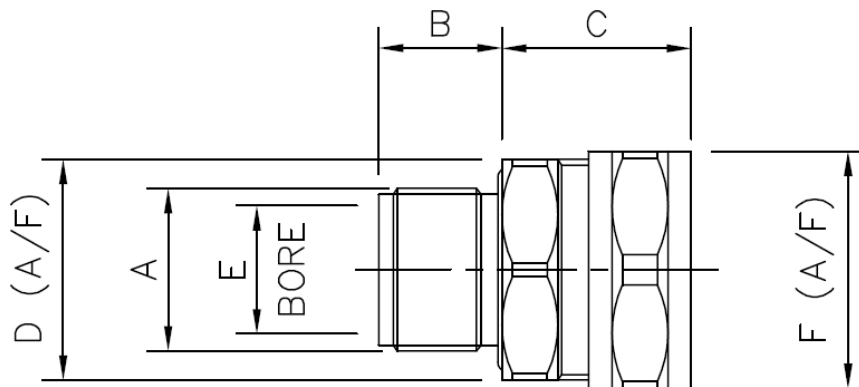


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Dimensional Data

Part No	Thread A	Nominal Dimensions (mm)				F (mm)
		B	C	D	E	
TSPL10/PG7/A	PG7	10.0	18.0	17.0	5.7	18.0
SPL12/PG9/A	PG9	13.0	18.0	20.6	8.1	20.6
TSPL16/PG11/A	PG11	13.0	20.0	24.0	10.3	24.0
SPL16/PG13/A	PG13.5	13.5	20.0	24.0	10.3	24.0
TSPL20/PG16/A	PG16	15.0	22.0	25.4	14.3	27.0
SPL25/PG21/A	PG21	17.0	28.0	34.0	17.6	34.0
TSPL32/PG29/A	PG29	19.0	34.0	42.0	24.0	42.0
SPL40/PG36/A	PG36	20.0	38.0	52.0	33.0	52.0
TSPL50/PG42/A	PG42	24.0	43.0	60.0	38.5	60.0
SPL63/PG48/A	PG48	28.0	56.0	70.0	50.0	70.0



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Chemical Resistance Chart

Key: Suitable :  Limited Suitability :  Unsuitable :  Not Tested : 	 Astm No.1	 Diesel oil	 Methyl Bromide	 Sulphur Dioxide (Gas)
	 Astm No.2	 Diethylamine	 MEK	 Sulphuric Acid (10%)
	 Astm No.3	 Ethanol	 Nitric Acid (10%)	 Sulphuric Acid (70%)
	 Acetic Acid (10%)	 Ether	 Nitric Acid (70%)	 Toluene
	 Acetone	 Ethylamine	 Oxalic Acid	 Transformer Oil
	 Aluminium Chloride	 Ethylene Glycol	 Ozone (Gas)	 1,1,1-Trichloroethane
	 Aniline	 Ethyl Ethanoate	 Paraffin oil	 Trichloroethylene
	 Benzaldehyde	 Freon 32	 Petrol	 Turpentine
	 Benzene	 Hydrochloric Acid (10%)	 Phenol	 Vegetable Oil
	 Carbon tetrachloride	 Hydrochloric Acid (36%)	 Sea Water	 Vinyl Acetate
	 Chlorine water	 Hydrogen Peroxide (35%)	 Silver Nitrate	 Water
	 Chloroform	 Hydrogen Peroxide (87%)	 Skydrol	 White Spirit
	 Citric Acid	 Lactic Acid	 Sodium Chloride	 Zinc Chloride
	 Copper Sulphate	 Lubricating oil	 Sodium Hydroxide (10%)	
	 Cresol	 Methanol	 Sodium Hydroxide (60%)	

The information above is given as a guide only and is based on published technical data and experience. The chemical resistance of the above products is dependant on factors such as chemical exposure, concentration of the chemical and temperature. The above chemicals are valid for a temperature of 23°C. Use of the above table is at the users own discretion and risk. Those using it must satisfy themselves that their application presents no health and safety risks. The end user should assess compatibility with their application and contact TTS for further information.

ADHERENCE TO THE CURRENT WIRING REGULATIONS BS7671 OR NEC WIRING REGULATIONS (FOR USA) IS STRONGLY ADVISED.

MINIMUM BEND RADIUS FOR FLEXING IS DEPENDANT UPON MINIMUM TEMPERATURE, BENDING FREQUENCY AND CHEMICAL ENVIRONMENT.

Thread Data

Metric	Standard thread conforming to EN60423 & BS3643			PG	German Standard thread conforming to DIN40430		
Thread Size mm	Ext Thread Outside Diameter	Int Thread Inside Diameter	Pitch	Thread Size	Ext Thread Outside Diameter	Int Thread Inside Diameter	Pitch
M10	10.0	8.9	1.0	PG7	12.5	11.3	1.27
M12	12.0	10.4	1.5	PG9	15.2	13.9	1.41
M16	16.0	14.4	1.5	PG11	18.6	17.3	1.41
M20	20.0	18.4	1.5	PG13.5	20.4	19.1	1.41
M25	25.0	23.4	1.5	PG16	22.5	21.2	1.41
M32	32.0	30.4	1.5	PG21	28.3	26.8	1.59
M40	40.0	38.4	1.5	PG29	37.0	35.5	1.59
M50	50.0	48.4	1.5	PG36	47.0	45.5	1.59
M63	63.0	61.4	1.5	PG42	54.0	52.2	1.59
M75	75.0	73.4	1.5	PG48	59.3	57.8	1.59