



Metallic Systems - Stainless

GFMS - Fixed Body - For Uncovered Conduit



Technical Characteristics

Conforms to	BSI Kitemark KM-90009 Low voltage directive Inherent Low Fire Hazard		
Approvals and Standards	 		
Degree of mechanical protection	Very High		
Degree of protection	IP40 as standard with KSU		
UV protection	Very High		
Fitting characteristics	Straight fitting - fixed external male thread		
Application	For insertion into threaded entries & knockouts using a locknut to secure		
Normal operating temperature range	Application	Min Temp	Max Temp
	Static	- 50°C	+350°C
	Dynamic	- 45°C	+250°C
For use with - Conduit series	Stainless Steel - Uncovered KSU		
Fire performance	Test Standard	Performance Rating	
	Not Rated	Not Rated	
Testing data	Click or see page 3		
Type of material	Stainless Steel AISI 316L		

Image



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Dimensional Data

Part No	Thread Size & Pitch	Nominal Dimensions (mm)				
		Thread DIA	Min Bore	Across Flats	Thread Length	Nominal Length
GFMS0303	M16 x 1.5	16.0	10.8	19.0	10.0	24.5
GFMS0404	M20 x 1.5	20.0	14.8	24.0	10.0	24.5
GFMS0505	M25 x 1.5	25.0	18.8	30.0	12.0	28.0
GFMS0606	M32 x 1.5	32.0	25.8	36.0	13.0	29.0
GFMS0707	M40 x 1.5	40.0	33.8	46.0	15.0	31.5

Thread Data

Metric	Standard thread conforming to EN60423 & BS3643		
Thread Size mm	Ext Thread Outside Diameter	Int Thread Inside Diameter	Pitch
M16	16.0	14.4	1.5
M20	20.0	18.4	1.5
M25	25.0	23.4	1.5
M32	32.0	30.4	1.5
M40	40.0	38.4	1.5
M50	50.0	48.4	1.5

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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 Thomas & Betts 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.