






XS2F/XS3F/XS5F/W/C, Y92E, XW3D

Size	Shape	Type	Features	Material		Order code		Extended Portfolio and Specs on Page
				Nut	Cable			
M8/M12		Confectionable	Plugs and connectors for self assembly	Brass	n.a.	XS2C/G, XS5C/G Y92E_conf		24
M12		Field I/O boxes	Direct wiring or DeviceNet communication	–	–	XW3D		31
M8/M12		T-connectors, covers, accessories and extended wiring portfolio	n.a.	–	–	XS2R, XS3R, XY2F, ...		35

¹ PP - polypropylene

² For details on pin configuration refer to specifications

XS2F-M12

Water- and Environment-resistive FA Connectors

Save Wiring and Maintenance Effort

- Compact FA connectors meet IP67 requirements and ensure a 94V-0 fire retardant rating.
- A wide array of connectors makes a wiring system more modular, simplifies maintenance, and reduces downtime.
- IEC61076-2-101(IEC60947-5-2)
- Lineup of connectors with LEDs for easy visual confirmation of Sensor operating status.



Ratings and Specifications

Item	XS2F-M12□□□□□□□M XS2W-M12□□□□□□□M	XS2F-M12□□□□□A□□M□LED
Rated current	4A	
Rated voltage	125 VDC	24 VDC
Contact resistance (Connector)	40 mΩ max. (20 mV max., 100 mA max.)	
Insulation resistance	1,000 MΩ min. (at 500 VDC)	-
Dielectric strength (Connector)	AC 1,500 V 1 min. (leakage current: 1 mA max.).	
Degree of protection	IP67 (IEC60529)	
Temperature range	-10 to +80°C	

Materials and Finish

Contacts	Copper alloy/ nickel base, gold plating
Pin block	PBT resin (UL94 V-0)
Fixtures	Copper alloy/ nickel plating
Cover	PBT resin (UL94V-0)

PVC Cable


Item	3 cores	4 cores
Color	Black	
Outer diameter	5 mm dia.	5 mm dia. *
Conductor size	AWG23 0.25 mm ² (32/0.1)	
Approvals	AWM2464	
Features	Flame retardant	

*LED Type is 5.4 mm dia.

PUR Cable

Item	3 cores	4 cores
Color	Black	
Outer diameter	4.3 mm dia.	4.7 mm dia.
Conductor size	AWG22 0.32 mm ² (42/0.1)	
Approvals	AWM20936	
Features	Flame retardant Halogen free Oil resistance	

Connector Pinout Diagram (from Mating Side)

Item	No. of poles	4 poles
DC type	Male (plug) contacts	
	Female (socket) contacts	