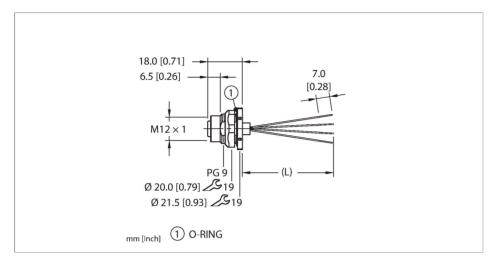


FKFD 4.4-0.5 Actuator and Sensor Receptacle - with litz wires





ID U4490-0 Connector A Female, M12 × 1, A-code Design specification Acc. to IEC 61076-2-101 Number of contacts 4 Contacts Bronze, CuSn, Gold-plated Contact carriers Plastic, TPU, Black Connector seal O-ring, Plastic, FKM/FPM Housing material/finish Brass, CuZn, Nickel-plated Tightening torque (range) 0.4 1.8 Nm (note max. torque of mating connector!) Mounting orientation Rear mount Panel seal O-ring, NBR Mounting thread PG9 Locknut Brass, CuZn, Nickel-plated Receptacle mounting torque 2.56.8 Nm Mechanical life > 100 Mating cycles Pollution degree 3 Protection class (When coupled) IP68 NEMA: 1, 3, 4, 6P Total number of conductors 4 Length (L) 0.5 m Conductor material TC (tinned copper)	Туре	FKFD 4.4-0.5
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Housing material/finish Tightening torque (range) O.4 1.8 Nm (note max. torque of mating connector!) Mounting orientation Panel seal O-ring, NBR Mounting thread PG9 Locknut Brass, CuZn, Nickel-plated PG9 Locknut Brass, CuZn, Nickel-plated Receptacle mounting torque 2.56.8 Nm Mechanical life > 100 Mating cycles Pollution degree 3 Protection class (When coupled) IP68 NEMA: 1, 3, 4, 6P Total number of conductors 4 Length (L) Conductor material TC (tinned copper)	Contact carriers	Plastic, TPU, Black
Tightening torque (range) O.4 1.8 Nm (note max. torque of mating connector!) Mounting orientation Rear mount Panel seal O-ring, NBR Mounting thread PG9 Locknut Brass, CuZn, Nickel-plated Receptacle mounting torque 2.56.8 Nm Mechanical life > 100 Mating cycles Pollution degree 3 Protection class (When coupled) IP68 NEMA: 1, 3, 4, 6P Total number of conductors 4 Length (L) Conductor material TC (tinned copper)	Connector seal	O-ring, Plastic, FKM/FPM
Mounting orientation Rear mount Panel seal O-ring, NBR Mounting thread PG9 Locknut Brass, CuZn, Nickel-plated Receptacle mounting torque 2.56.8 Nm Mechanical life > 100 Mating cycles Pollution degree 3 Protection class (When coupled) IP68 NEMA: 1, 3, 4, 6P Total number of conductors 4 Length (L) 0.5 m Conductor material TC (tinned copper)	Housing material/finish	Brass, CuZn, Nickel-plated
Panel seal O-ring, NBR Mounting thread PG9 Locknut Brass, CuZn, Nickel-plated Receptacle mounting torque 2.56.8 Nm Mechanical life > 100 Mating cycles Pollution degree 3 Protection class (When coupled) IP68 NEMA: 1, 3, 4, 6P Total number of conductors 4 Length (L) O.5 m Conductor material TC (tinned copper)	Tightening torque (range)	• • • • • • • • • • • • • • • • • • • •
Mounting thread PG9 Locknut Brass, CuZn, Nickel-plated Receptacle mounting torque 2.56.8 Nm Mechanical life > 100 Mating cycles Pollution degree 3 Protection class (When coupled) IP68 NEMA: 1, 3, 4, 6P Total number of conductors 4 Length (L) 0.5 m Conductor material TC (tinned copper)	Mounting orientation	Rear mount
Locknut Brass, CuZn, Nickel-plated Receptacle mounting torque 2.56.8 Nm Mechanical life > 100 Mating cycles Pollution degree 3 Protection class (When coupled) IP68 NEMA: 1, 3, 4, 6P Total number of conductors 4 Length (L) 0.5 m Conductor material TC (tinned copper)	Panel seal	O-ring, NBR
Receptacle mounting torque 2.56.8 Nm Mechanical life > 100 Mating cycles Pollution degree 3 Protection class (When coupled) IP68 NEMA: 1, 3, 4, 6P Total number of conductors 4 Length (L) Conductor material TC (tinned copper)	Mounting thread	PG9
Mechanical life > 100 Mating cycles Pollution degree 3 Protection class (When coupled) IP68 NEMA: 1, 3, 4, 6P Total number of conductors 4 Length (L) 0.5 m Conductor material TC (tinned copper)	Locknut	Brass, CuZn, Nickel-plated
Pollution degree 3 Protection class (When coupled) IP68 NEMA: 1, 3, 4, 6P Total number of conductors 4 Length (L) 0.5 m Conductor material TC (tinned copper)	Receptacle mounting torque	2.56.8 Nm
Protection class (When coupled) IP68 NEMA: 1, 3, 4, 6P Total number of conductors Length (L) Conductor material TC (tinned copper)	Mechanical life	> 100 Mating cycles
NEMA: 1, 3, 4, 6P Total number of conductors 4 Length (L) Conductor material TC (tinned copper)	Pollution degree	3
Total number of conductors 4 Length (L) 0.5 m Conductor material TC (tinned copper)	Protection class (When coupled)	IP68
Length (L) Conductor material O.5 m TC (tinned copper)		NEMA: 1, 3, 4, 6P
Conductor material TC (tinned copper)	Total number of conductors	4
- (Length (L)	0.5 m
Conductor insulation material PVC	Conductor material	TC (tinned copper)
	Conductor insulation material	PVC



Features













■M12, Female, Receptacle, 4-pin ■ Mounting thread: PG9

Contact assignment

Connector A



Circuit Diagram

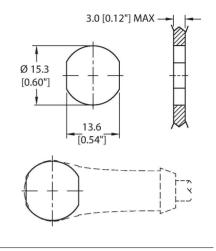
1	BN
2	WH
2)	BU
13)	ВК
4	



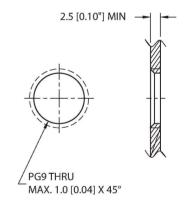
Technical data

Conductor size	22 AWG [Similar to 0.34 mm ²]
Conductor colors	BN, WH, BU, BK
Electrical properties at +20 °C	
Rated voltage	250 V
Current	4 A
Mechanical and chemical properties	
Ambient temperature range (static)	-40+105 °C
Approvals	UL 2238 CSA C22.2 No. 182.3 CE UKCA RoHS
Note	
	- We reserve the right to make technical alterations without prior notice.

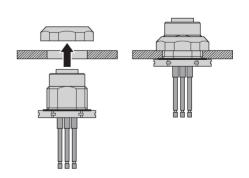
Mounting hole - Through



Mounting hole - Threaded



Rear-mounted





Accessories

FK(S)FD-TOOL

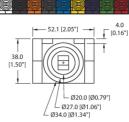
A2550



Tool, knockout hole punch, receptaclemounting hole. Accommodates PG9 threads.



100008955



DECAL,9-CLRS,RECEPT+BOXES,EURO(QTY1)

1 decal sticker containing 9 different color sets of 11 decals to color code a sensor, junction block port, cable end, or receptacle. 5ct 4x9mm rectangles, 4ct 8x19mm rectangles, 1ct 27mm ID ring, 1ct 20mm ID ring.

Accessories

LOCKNUT-PG9-BRASS-(10/BAG)

100016624



Locknut, PG9, Brass, Nickel-plated, 10