

Sensor-actuator cable



Field-attachable connectors



Features

- Knurled nut suitable for tool mounting
- Mechanical detent for vibration protection
- Gold-plated and machined contacts
- Degree of protection: IP67 / IP68 / IP69K

Junction blocks

Sensor-actuator splitters

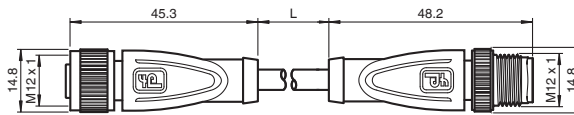
Sensor-actuator receptacles

Data connectors

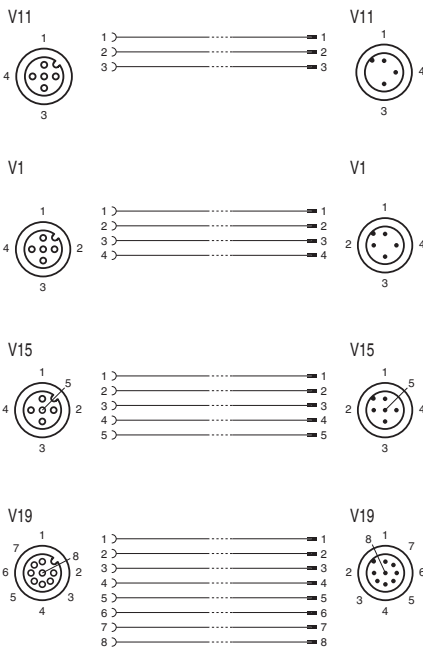
Technical data

Number of pins	3	4	5	8
Electrical data				
Operating voltage U_B	Max. 250 V AC/DC		Max. 60 V AC/DC	Max. 30 V AC/DC
Testing voltage	> 1500 V _{eff} AC			
Operating current	Max. 4 A			Max. 2 A
Volume resistance	< 5 mΩ			
Ambient conditions				
Ambient temperature	-40 ... 90 °C for body Information on cable quality can be found beginning on page 10			
Degree of pollution	3			
Mechanical data				
Contact elements	Spring-loaded contact sockets			
Pin diameter	1 mm			
Degree of protection	IP67 / IP68 / IP69K			
Materials				
Contacts	CuSn / Au			
Contact surface	Au			
Body	TPU, black			
Coupling nut	Die-cast zinc			
Push-on sleeve	Die-cast zinc			
Approvals and certificates of compliance				
UL file number	E231213 The use of UL-approved cable is a prerequisite for UL approval.			

Dimensions



Electrical connection



Order codes

Cable lengths in m
0.3 to 50

V . . - G - M - - V . . - G

- PVC	PVC, gray (0.34 mm ²)	V11	V1	V15	V19
BK PVC-U	PVC, UL-approved, black (0.34 mm ²)	○	○	○	-
YE PVC-U	PVC, UL-approved, yellow (0.34 mm ²)	○	○	-	-
- PUR	PUR, halogen-free, gray (0.34 mm ²)	○	○	-	-
BK PUR-U	PUR, halogen-free, UL-approved, black (0.34 mm ²)	●	●	●	-
YE PUR-U	PUR, halogen-free, UL-approved, yellow (0.34 mm ²)	○	○	-	-
BK PUR-U	PUR, halogen-free, UL-approved, black (0.25 mm ²)	○	○	-	-
BK PUR-U/0.75	PUR, halogen-free, UL-approved, black (0.75 mm ²)	-	-	-	●
- PUR H/S	PUR, halogen-free, irradiated, orange (0.34 mm ²)	-	○	-	-
OR POC	POC, weld-spatter resistant, orange (0.34 mm ²)	-	○	-	-

● Standard, cable lengths of 0.6 m, 1 m and 2 m available in stock
○ Available, minimum order quantity applies in some cases
- Not available

Number of pins
V11 3-pin
V1 4-pin
V15 5-pin
V19 8-pin