

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

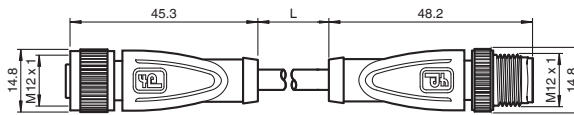
Sensor-actuator receptacles

Data connectors

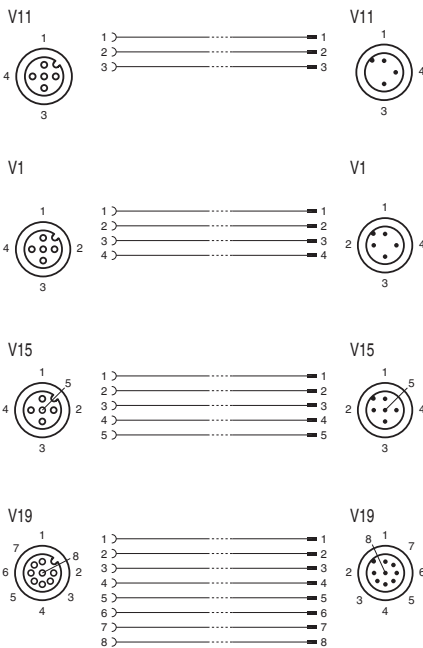
## Technical data

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

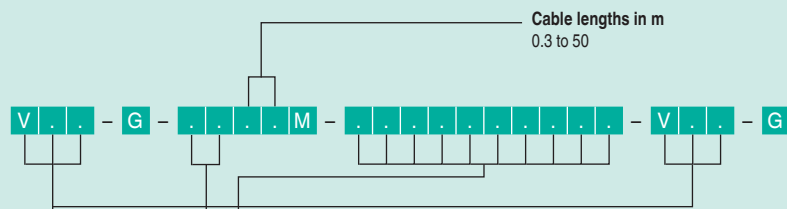
## Dimensions



## Electrical connection



## Order codes



- Cable quality**
- PVC PVC-U PVC, UL-approved, black (0.34 mm<sup>2</sup>)
  - YE PVC-U PVC, UL-approved, yellow (0.34 mm<sup>2</sup>)
  - PUR PUR, halogen-free, gray (0.34 mm<sup>2</sup>)
  - BK PUR-U PUR, halogen-free, UL-approved, black (0.34 mm<sup>2</sup>)
  - YE PUR-U PUR, halogen-free, UL-approved, yellow (0.34 mm<sup>2</sup>)
  - BK PUR-U PUR, halogen-free, UL-approved, black (0.25 mm<sup>2</sup>)
  - BK PUR-U/0.75 PUR, halogen-free, UL-approved, black (0.75 mm<sup>2</sup>)
  - PUR H/S PUR, halogen-free, irradiated, orange (0.34 mm<sup>2</sup>)
  - OR POC POC, weld-spatter resistant, orange (0.34 mm<sup>2</sup>)

	V11	V1	V15	V19
○	○	○	○	-
○	○	○	-	-
●	●	●	-	-
○	○	-	-	-
○	○	-	-	-
-	-	-	●	-
-	-	○	-	-
-	○	-	-	-
-	○	-	-	-

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



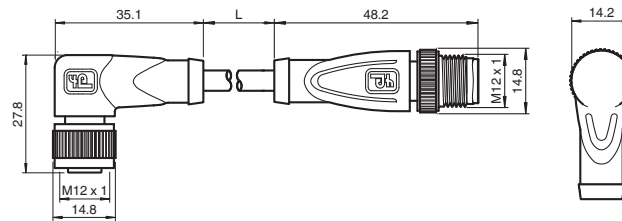
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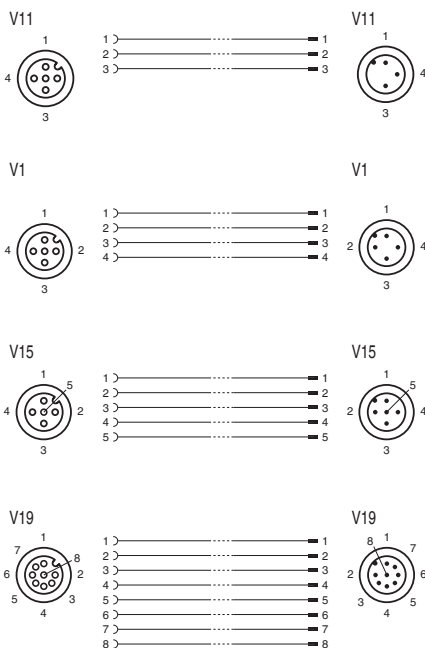
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<b>Materials</b>				
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Contact surface	Au			
Body	TPU, green			
Coupling nut	Die-cast zinc			
Push-on sleeve	Die-cast zinc			
<b>Approvals and certificates of compliance</b>				
UL file number	E231213 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 . . - W - . . . M - . . . . . - V . . - G

	V11	V1	V15	V19
- PVC	○	○	○	-
BK PVC-U	○	○	○	-
YE PVC-U	○	○	-	-
- PUR	●	●	●	-
BK PUR-U	○	○	-	-
YE PUR-U	○	○	-	-
BK PUR-U	-	-	-	●
BK PUR-U/0.75	-	-	○	-
- PUR H/S	-	○	-	-
OR POC	-	○	-	-

**Cable quality**

- PVC: PVC, gray (0.34 mm<sup>2</sup>)
- BK PVC-U: PVC, UL-approved, black (0.34 mm<sup>2</sup>)
- YE PVC-U: PVC, UL-approved, yellow (0.34 mm<sup>2</sup>)
- PUR: PUR, halogen-free, gray (0.34 mm<sup>2</sup>)
- BK PUR-U: PUR, halogen-free, UL-approved, black (0.34 mm<sup>2</sup>)
- YE PUR-U: PUR, halogen-free, UL-approved, yellow (0.34 mm<sup>2</sup>)
- BK PUR-U: PUR, halogen-free, UL-approved, black (0.25 mm<sup>2</sup>)
- BK PUR-U/0.75: PUR, halogen-free, UL-approved, black (0.75 mm<sup>2</sup>)
- PUR H/S: PUR, halogen-free, irradiated, orange (0.34 mm<sup>2</sup>)
- OR POC: POC, weld-spatter resistant, orange (0.34 mm<sup>2</sup>)

● 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

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Field-attachable connectors

Junction blocks

Sensor-actuator splitters

Sensor-actuator receptacles

Data connectors



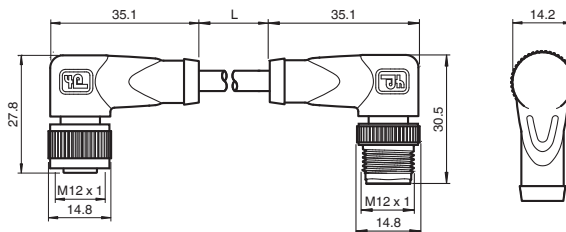
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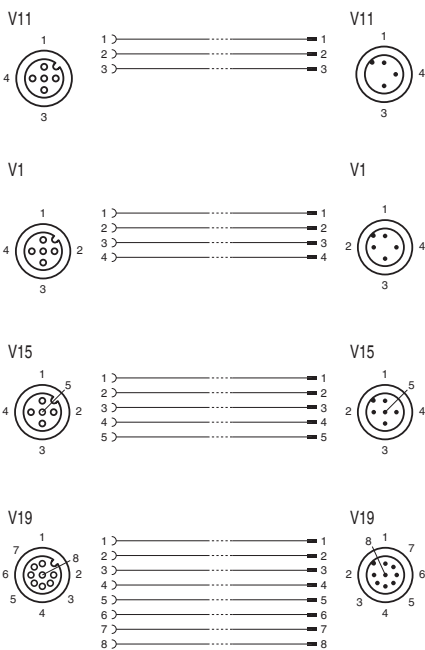
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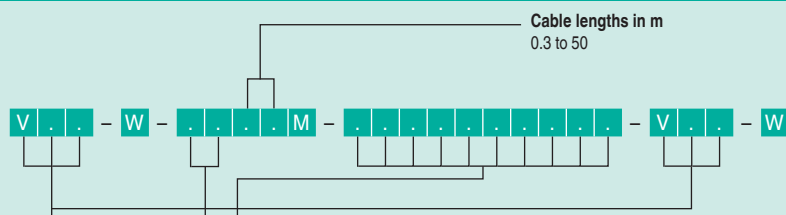
## Dimensions



## Electrical connection



## Order codes



	Cable quality
- PVC	PVC, gray (0.34 mm <sup>2</sup> )
BK PVC-U	PVC, UL-approved, black (0.34 mm <sup>2</sup> )
YE PVC-U	PVC, UL-approved, yellow (0.34 mm <sup>2</sup> )
- PUR	PUR, halogen-free, gray (0.34 mm <sup>2</sup> )
BK PUR-U	PUR, halogen-free, UL-approved, black (0.34 mm <sup>2</sup> )
YE PUR-U	PUR, halogen-free, UL-approved, yellow (0.34 mm <sup>2</sup> )
BK PUR-U	PUR, halogen-free, UL-approved, black (0.25 mm <sup>2</sup> )
BK PUR-U/0.75	PUR, halogen-free, UL-approved, black (0.75 mm <sup>2</sup> )
- PUR H/S	PUR, halogen-free, irradiated, orange (0.34 mm <sup>2</sup> )
OR POC	POC, weld-spatter resistant, orange (0.34 mm <sup>2</sup> )

V11	V1	V15	V19
○	○	○	-
○	○	-	-
○	○	-	-
●	●	●	-
○	○	-	-
○	○	-	-
-	-	●	-
-	-	○	-
-	○	-	-
-	○	-	-

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V1	4-pin
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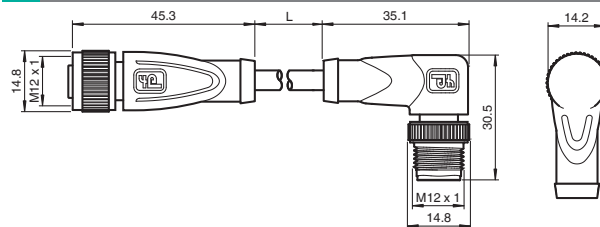
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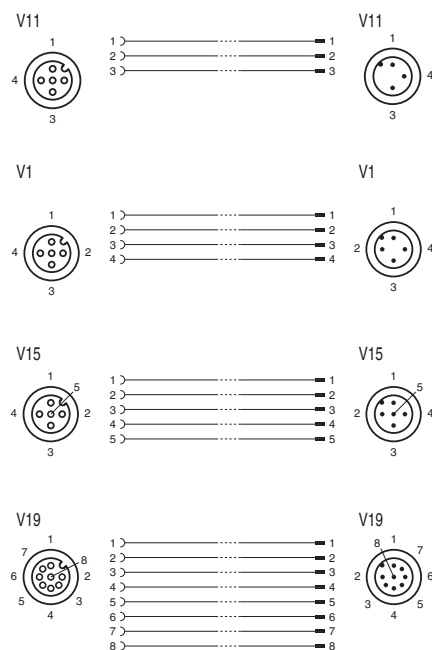
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YE PVC-U	○	○	-	-
- PUR	●	●	●	-
BK PUR-U	○	○	-	-
YE PUR-U	○	○	-	-
BK PUR-U	-	-	-	●
BK PUR-U/0.75	-	-	○	-
- PUR H/S	-	○	-	-
OR POC	-	○	-	-

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