

**M12-Round-Plug Connector to DIN Valve Connector, Double-Ended Cordsets**

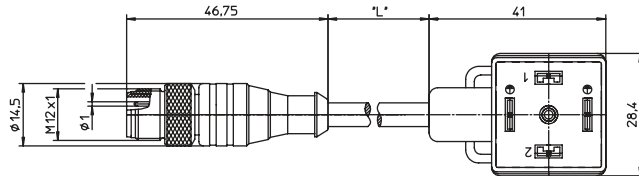
**RST-VAD**



**RST-VAD 1 A and RST-VAD 1F**

Actuator cordset, double-ended, M12 male connector with self-locking threaded joint and valve connector according to

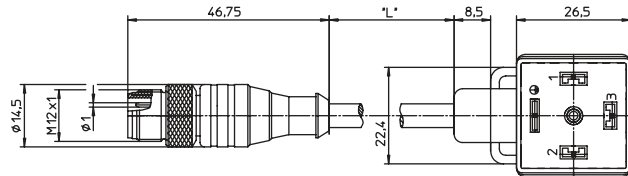
– DIN EN 175301-803, form A –



**RST-VAD 3C-4-1 and RST-VAD 3C-4-2**

Sensor cordset, double-ended, M12 male connector with selflocking threaded joint and connector for pressure switches according to

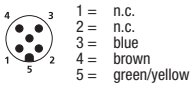
– DIN EN 175301-803, form A –



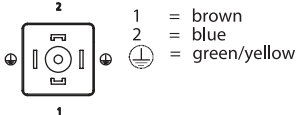
**Pin Assignments**

**M12**

**3 poles**

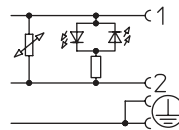


**VAD 1A / VAD 1F**



**Wiring Diagram**

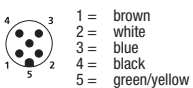
**VAD 1A**



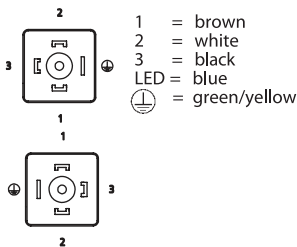
**VAD 3C**



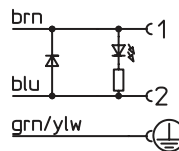
**5 poles**



**VAD 3C-4-1  
VAD 3C-4-2**



**VAD 1F**





## M12-Round-Plug Connector to DIN Valve Connector, Double-Ended Cordsets RST-VAD

### Technical Data

#### Environmental

Degree of protection IP 67 / NEMA 6P  
 Operating temperature range -25°C (-13°F) / +80°C (+176°F)

#### Mechanical (RST)

Housing / Molded body TPU  
 Insert TPU  
 Contact CuZn, pre-nickel and 0.8 microns gold-plated  
 Coupling nut CuZn, nickel-plated

#### Mechanical (VAD)

Housing / Molded body TPU  
 Insert PBT  
 Contact CuZn, nickel/tin plated

#### Electrical

Nominal current at 40°C 4 A  
 Rated voltage VAD 1A-1-3: 24V AC/DC  
 VAD 3C-4-X: 32VDC  
 VAD 1F-4-3 = 24VDC  
 Test voltage 1.5 kV eff. / 60 s  
 Insulation resistance > 10<sup>9</sup> Ω  
 Pollution degree 3

#### Varistor data (VAD 1A)







Nominal voltage 47 V at 0.1 mA  
 typ. limiting voltage 110 V at 5 A  
 max. pulse energy 0.9 Ws  
 max. continuous power loss 0.01 W

#### Recovery diode data (VAD 1F)

typ. limiting voltage 1.2 V at 4 A  
 max. pulse current 10 A  
 max. continuous power loss 0.5 W

### Cable Specifications

Cable No.	Outer Jacket	Gauge	Jacket Color	OD	Agency Approvals
226	PUR, halogen-free	3 x 0.50 mm <sup>2</sup>	Black	4.6 mm	UL: AWM 21198 / CSA: AWM I/II A/B
241	PUR, halogen-free, spark-proof	3 x 0.50 mm <sup>2</sup>	Black	5.0 mm	UL: AWM 21198 / CSA: AWM I/II A/B
228	PUR, halogen-free	5 x 0.50 mm <sup>2</sup>	Black	5.4 mm	UL: AWM 21198 / CSA: AWM I/II A/B
259	PUR, halogen-free, spark-proof	5 x 0.50 mm <sup>2</sup>	Black	5.5 mm	UL: AWM 21198 / CSA: AWM I/II A/B

Part Number	Pins	Outer Jacket	Standard Cable Lengths	Characteristics
RST 5-3-VAD 1A-1-3-226/...M	3	PUR, halogen-free	0.6 M / 1 M / 1.5 M / 2 M	 
RST 5-3-VAD 1A-1-3-241/...M		PUR, halogen-free, spark-proof	0.6 M / 1 M / 1.5 M / 2 M	 
RST 5-VAD 3C-4-1-228/...M	5	PUR, halogen-free	0.6 M / 1 M / 1.5 M / 2 M	 
RST 5-VAD 3C-4-1-259/...M		PUR, halogen-free, spark-proof	0.6 M / 1 M / 1.5 M / 2 M	