

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

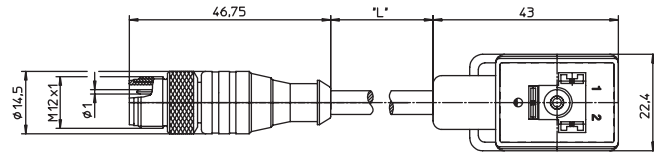
RST-VBD | RST-VB



RST-VBD 1A-1-1 and RST-VBD 1A-1-2

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

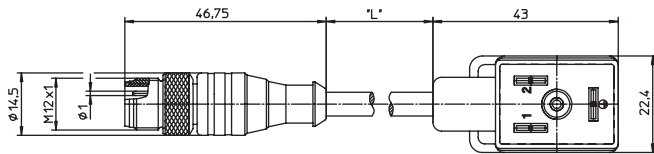
– DIN EN 175301-803, form B –



RST-VB 1A-1-1 and RST-VB 1A-1-2

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

– DIN EN 175301-803, industry standard form B –



Pin Assignments

M12					Wiring Diagram	
3 poles	VBD 1A-1-1	VBD 1A-1-2	VB 1A-1-1	VB 1A-1-2		VBD 1A / VB 1A
<p>1 = n.c. 2 = n.c. 3 = blue 4 = brown 5 = green/yellow</p>					<p>1 = brown 2 = blue ⊕ = green/yellow</p>	



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RST-VBD | RST-VB

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-nickeled 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
Nominal voltage 24 V
Rated voltage 32 V
Test voltage 1.5 kV eff. / 60 s
Insulation resistance > 10⁹ Ω
Pollution degree 3

Varistor data (VBD / VB)

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
(standard impulse 10/1000us)

Cable Specifications

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

Part Number	Pins	Outer Jacket	Standard Cable Lengths	Characteristics
RST 5-3-VBD 1A-1-1-226/... M	3	PUR, halogen-free	0.3 M / 0.6 M / 1 M / 1.5 M / 2 M	 
RST 5-3-VBD 1A-1-1-241/... M		PUR, halogen-free, spark-proof	0.3 M / 0.6 M / 1 M / 1.5 M / 2 M	 
RST 5-3-VBD 1A-1-2-226/... M	3	PUR, halogen-free	0.3 M / 0.6 M / 1 M / 1.5 M / 2 M	 
RST 5-3-VBD 1A-1-2-241/... M		PUR, halogen-free, spark-proof	0.3 M / 0.6 M / 1 M / 1.5 M / 2 M	 

Cordsets Double-Ended