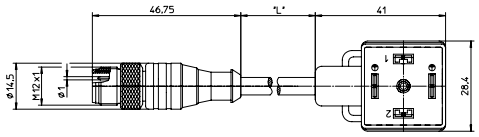
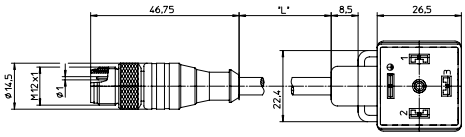
HIRSCHMANN
A BELDEN BRAND

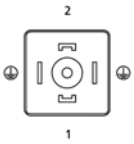
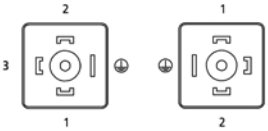
Actuator/Sensor Connectors
Double-ended Overmolded Cordset, M12 to Valve Connectors as per DIN EN 175301-803, Type A

Technical Information

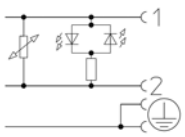
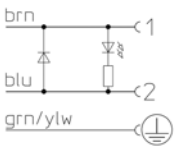
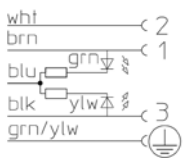
Product Description		
Order Designation	**RST-VAD 1A I RST-VAD 1F**	**RST-VAD 3C-4-1 I RST-VAD 3C-4-2**
		
Description	Actuator cordset, M12 male with self-locking screw coupling to valve connector as per DIN EN 175301-803, type A, 3-pin, protection circuit using varistor (yellow LED), or recovery diode (VAD 1F)	Sensor cordset, M12 male with self-locking screw coupling to connector for pressure switch as per DIN EN 175301-803, type A, 5-pin, yellow LED and green operation indicator
RoHS-Compliant (2011/65/EU)	Yes	
(Construction Type) Standard	IEC 61076-2-101 (M12), DIN EN 175301-803 (valve connector)	
Approvals	–	
Technical Data		
Ambient Temperature	-25 °C to +80 °C (connectors), mind cable temperature range	
Housing Material/Grip	TPU	
Contact Holder Material	RST: TPU, VAD: PBT	
Contact Material/Surface Finish	RST: CuZn, nickel underlay and gold-plated, VAD: CuZn, nickel-plated and tin-plated	
Screw Coupling Material	CuZn, nickel-plated	
Mechanical Data		
Degree of Protection	IP67 (only when mated with Hirschmann/Lumberg counterparts)	
Electrical Data		
Contact Resistance	≤ 5 mΩ	
Rated Voltage	32 V (varistor: 47 V at 0.1 mA)	
Rated Current	4 A	
Pollution Degree	3	
Technical Drawing		
		

L = Standard length of cable

Pin Assignment

3-pin	VAD 1A/VAD 1F	5-pin	VAD 3C-4-1/ VAD 3C-4-2
 1 = n.c. 2 = n.c. 3 = blue 4 = brown 5 = green/yellow	 1 = brown 2 = blue ⏚ = green/yellow	 1 = brown 2 = white 3 = blue 4 = black 5 = green/yellow	 1 = brown 2 = white 3 = black LED = blue ⏚ = green/yellow

Circuit Diagram

VAD 1A	VAD 1F	VAD 3C
		

Order Information

Order No.	Order Designation	No. of Pins	Jacket	Characteristics
11910	RST 5-3-VAD 1A-1-3-226/0.3 M	3	PUR jacket, halogen-free, black	
11911	RST 5-3-VAD 1A-1-3-226/0.6 M	3	PUR jacket, halogen-free, black	
11912	RST 5-3-VAD 1A-1-3-226/1 M	3	PUR jacket, halogen-free, black	
11913	RST 5-3-VAD 1A-1-3-226/1.5 M	3	PUR jacket, halogen-free, black	
11915	RST 5-3-VAD 1A-1-3-226/2 M	3	PUR jacket, halogen-free, black	
11917	RST 5-3-VAD 1A-1-3-226/5 M	3	PUR jacket, halogen-free, black	
47019	RST 5-3-VAD 1A-1-3-241/0.3 M	3	PUR jacket, halogen-free, welding spark proof, orange	
11918	RST 5-3-VAD 1A-1-3-241/0.6 M	3	PUR jacket, halogen-free, welding spark proof, orange	
11919	RST 5-3-VAD 1A-1-3-241/1 M	3	PUR jacket, halogen-free, welding spark proof, orange	
11920	RST 5-3-VAD 1A-1-3-241/1.5 M	3	PUR jacket, halogen-free, welding spark proof, orange	
11921	RST 5-3-VAD 1A-1-3-241/2 M	3	PUR jacket, halogen-free, welding spark proof, orange	
44380	RST 5-3-VAD 1A-1-3-241/5 M	3	PUR jacket, halogen-free, welding spark proof, orange	
47020	RST 5-3-VAD 1F-4-3-226/0.3 M	3	PUR jacket, halogen-free, black	
11922	RST 5-3-VAD 1F-4-3-226/0.6 M	3	PUR jacket, halogen-free, black	
11923	RST 5-3-VAD 1F-4-3-226/1 M	3	PUR jacket, halogen-free, black	
11924	RST 5-3-VAD 1F-4-3-226/1.5 M	3	PUR jacket, halogen-free, black	
11925	RST 5-3-VAD 1F-4-3-226/2 M	3	PUR jacket, halogen-free, black	
47022	RST 5-3-VAD 1F-4-3-226/5 M	3	PUR jacket, halogen-free, black	
46905	RST 5-3-VAD 1F-4-3-241/0.3 M	3	PUR jacket, halogen-free, welding spark proof, orange	
11110	RST 5-3-VAD 1F-4-3-241/0.6 M	3	PUR jacket, halogen-free, welding spark proof, orange	
11927	RST 5-3-VAD 1F-4-3-241/1 M	3	PUR jacket, halogen-free, welding spark proof, orange	
11109	RST 5-3-VAD 1F-4-3-241/1.5 M	3	PUR jacket, halogen-free, welding spark proof, orange	
11929	RST 5-3-VAD 1F-4-3-241/2 M	3	PUR jacket, halogen-free, welding spark proof, orange	
46906	RST 5-3-VAD 1F-4-3-241/5 M	3	PUR jacket, halogen-free, welding spark proof, orange	
27464	RST 5-VAD 3C-4-1-228/0.3 M	5	PUR jacket, halogen-free, black	
12061	RST 5-VAD 3C-4-1-228/0.6 M	5	PUR jacket, halogen-free, black	
12062	RST 5-VAD 3C-4-1-228/1 M	5	PUR jacket, halogen-free, black	
12063	RST 5-VAD 3C-4-1-228/1.5 M	5	PUR jacket, halogen-free, black	
12064	RST 5-VAD 3C-4-1-228/2 M	5	PUR jacket, halogen-free, black	
18252	RST 5-VAD 3C-4-1-228/5 M	5	PUR jacket, halogen-free, black	
11107	RST 5-VAD 3C-4-1-259/0.3 M	5	PUR jacket, halogen-free, welding spark proof, orange	
11106	RST 5-VAD 3C-4-1-259/0.6 M	5	PUR jacket, halogen-free, welding spark proof, orange	
11105	RST 5-VAD 3C-4-1-259/1 M	5	PUR jacket, halogen-free, welding spark proof, orange	
11104	RST 5-VAD 3C-4-1-259/1.5 M	5	PUR jacket, halogen-free, welding spark proof, orange	
11103	RST 5-VAD 3C-4-1-259/2 M	5	PUR jacket, halogen-free, welding spark proof, orange	
11102	RST 5-VAD 3C-4-1-259/5 M	5	PUR jacket, halogen-free, welding spark proof, orange	
11101	RST 5-VAD 3C-4-2-228/0.3 M	5	PUR jacket, halogen-free, black	
934888108	RST 5-VAD 3C-4-2-228/0.6 M	5	PUR jacket, halogen-free, black	
934888110	RST 5-VAD 3C-4-2-228/1 M	5	PUR jacket, halogen-free, black	
934888109	RST 5-VAD 3C-4-2-228/1.5 M	5	PUR jacket, halogen-free, black	
934888111	RST 5-VAD 3C-4-2-228/2 M	5	PUR jacket, halogen-free, black	
934888059	RST 5-VAD 3C-4-2-228/5 M	5	PUR jacket, halogen-free, black	
11106	RST 5-VAD 3C-4-2-259/0.3 M	5	PUR jacket, halogen-free, welding spark proof, orange	
11099	RST 5-VAD 3C-4-2-259/0.6 M	5	PUR jacket, halogen-free, welding spark proof, orange	
11098	RST 5-VAD 3C-4-2-259/1 M	5	PUR jacket, halogen-free, welding spark proof, orange	
934457106	RST 5-VAD 3C-4-2-259/1.5 M	5	PUR jacket, halogen-free, welding spark proof, orange	