


## Actuator/Sensor Connectors




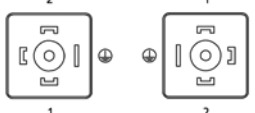
### Double-ended Overmolded Cordset, M12 to Valve Connectors as per DIN EN 175301-803, Type A

#### Technical Information

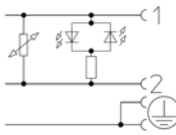
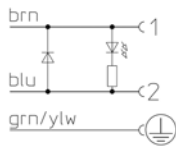

| Product Description  |  |  |
|--|--|--|
| Order Designation  | RST-VAD 1A   RST-VAD 1F  | RST-VAD 3C-4-1   RST-VAD 3C-4-2  |
| Description  | Actuator cordset, M12 male with self-locking screw coupling to valve connector as per DIN EN 175301-803, type A, 3-pin, protection circuit using varistor (yellow 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  |
|---|---|---|---|
|  <ul style="list-style-type: none"> <li>1 = n.c.</li> <li>2 = n.c.</li> <li>3 = blue</li> <li>4 = brown</li> <li>5 = green/yellow</li> </ul> |  <ul style="list-style-type: none"> <li>1 = brown</li> <li>2 = blue</li> <li>⊕ = green/yellow</li> </ul> |  <ul style="list-style-type: none"> <li>1 = brown</li> <li>2 = white</li> <li>3 = blue</li> <li>4 = black</li> <li>5 = green/yellow</li> </ul> |  <ul style="list-style-type: none"> <li>1 = brown</li> <li>2 = white</li> <li>3 = black</li> <li>LED = blue</li> <li>⊕ = green/yellow</li> </ul> |

#### Circuit Diagram

| VAD 1A  | VAD 1F  | VAD 3C  |
|---|---|---|
|  |  |  |

# Be Certain with Belden

## 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 |                 |
| 11105     | RST 5-VAD 3C-4-2-259/5 M     | 5           | PUR jacket, halogen-free, welding spark proof, orange |                 |



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- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

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