

**DIN Valve Connectors - VAD 1A/1B Series**

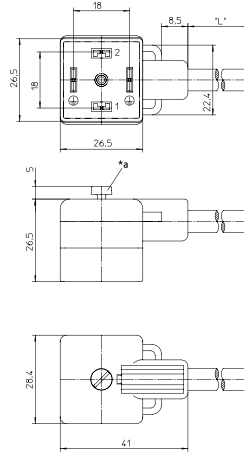
**VAD 1A**



Actuator cordset, single-ended, valve connector according to DIN EN 175301-803, form A, with LED function indicator, varistor voltage protection, connected protective earth

VAD 1A-1-3: 24 V AC  
VAD 1A-2-3: 110 V AC  
VAD 1A-3-3: 230 V AC

**VAD 1A**

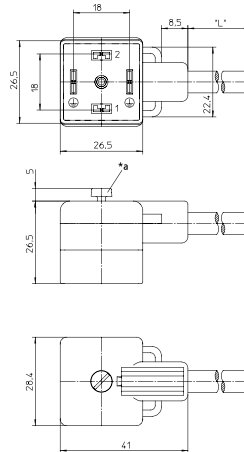


**VAD 1B**



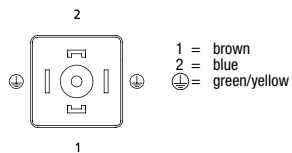
Actuator cordset, single-ended, valve connector according to DIN EN 175301-803, form A, with LED function indicator, suppressor diode voltage protection, connected protective earth

**VAD 1B**



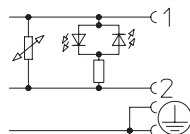
**Pin Assignments**

**VAD 1A / VAD 1B**

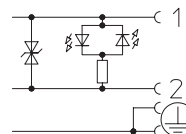


**Wiring Diagram**

**VAD 1A**



**VAD 1B**



# Be Certain with Belden



## DIN Valve Connectors - VAD 1A/1B Series

VAD 1A-X-3-XXX and VAD 1B-1-3-XXX

### Technical Data

#### Environmental

Degree of protection IP 67  
Operating temperature range -25°C / +80°C

#### Mechanical

Housing / Molded body TPU, self-extinguishing  
Insert PBT  
Contact CuZn, nickel-plated and tin-plated

#### Electrical

Contact resistance  $\leq 5 \text{ m}\Omega$   
Nominal current at 40°C 4 A  
Nominal voltage VAD 1A-1-3: 24 V  
VAD 1A-2-3: 110 V  
VAD 1A-3-3: 230 V  
Rated voltage 32 V  
Insulation resistance  $> 10^9 \Omega$   
Pollution degree 3

#### Varistor data (VAD 1A – 24 V AC)

Nominal voltage 47 V at 0.1 mA  
Typ. limiting voltage 110 V at 5 A  
Max. pulse energy (standard impulse 10/1000us) 0.9 Ws  
Max. continuous power loss 0.01 W

#### Supressor diode data (VAD 1B)

Nominal voltage 47 V at 1 mA  
Max. limiting voltage 68 V at 8.9 A  
Typ. limiting voltage 60 V at 5 A  
Max. pulse current (pulse shape 10/1000us) 8.9 A  
Max. pulse power (pulse shape 10/1000us) 600 W  
Max. continuous power loss 0.5 W

#### Accessories (incl.)

Attachable label  
Screw (fitted)

Part Number	Poles	Outer Jacket	Characteristics
VAD 1A-1-3-212/... M      VAD 1B-1-3-212/... M	⊕	PVC	
VAD 1A-2-3-212/... M		PVC	
VAD 1A-3-3-212/... M	2 +	PVC	
VAD 1A-1-3-226/... M      VAD 1B-1-3-226/... M		PUR halogen free	
VAD 1A-2-3-226/... M		PUR halogen free	
VAD 1A-3-3-226/... M		PUR halogen free	

**Standard lengths: 2 M / 5 M / 10 M**  
Other cable lengths or cable specifications available upon request.

The application of these products in harsh environments should always be checked before use.