

Data Sheet for sensor accessories

Valve connector (with or without cable)

Series STV



Illustration similar

Valve connector according to DIN EN 175301-803 without cable (incl. sealing element) in IP65 and valve connector with cable 3 meters in IP67.

- 3 pol. + PE
- Angled
- IP65 without cable / IP67 with cable
- Not shielded

| Electrical data | 3 pole + PE | |
|-----------------------|----------------------|------------|
| | Without cable | With cable |
| Rated current (40 °C) | 10 A | |
| Rated voltage | 250 V | 230 V |
| Rated impulse voltage | 4000 V | |
| Volume resistivity | ≤ 15 mΩ | |
| Insulation resistance | ≥ 10 ¹⁰ Ω | |
| EMC compliance | not shielded | |

| General characteristics, materials | 3 pole + PE | |
|------------------------------------|------------------------------------------------------|--------------------------|
| | Without cable | With cable |
| Connector design | Size A female connector (panel mount) | Size A solenoid socket |
| Connector locking system | screw | |
| Termination | screw, clamp | moulded on cable |
| Wire gauge (mm) | min. 0.34 mm ² , max. 1.5 mm ² | 0.75 mm ² |
| Wire gauge (AWG) | - | 18 |
| Cable outlet | 6 .. 8 mm | - |
| Operational temperature | -30 °C up to +120 °C | -25 °C up to +85 °C |
| Protection grade (IEC60529) | IP65 (sealing element is included) | IP67 |
| Mechanical operation | > 50 mating cycles | |
| Contact material | CuSn (bronze) | |
| Contact plating | Ni (nickel) | Sn (tin) |
| Contact body material | PA (UL 94 HB) | PA |
| Housing material | PA | PBT |
| Sheath material | - | PUR |
| Cable diameter | - | 6 mm |
| Single-lead structure | - | 4 x 0.75 mm ² |

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Order Code

| Description | Selection: standard=black/bold , possible <i>options=grey/italic</i> | | | | |
|----------------------------------------------------------------|-----------------------------------------------------------------------------|------------------|---------------|----------------------|-----------|
| Series: | STV | | | | |
| Connector angled: Without cable With cable 3 meters | | E K3M | | | |
| Contact arrangement: 3 pole + PE | | | 3POLPE | | |
| Degree of protection: IP65 without cable IP67 with cable | | | | IP65 IP67 | |
| EMC compliance: Not shielded | | | | | NS |

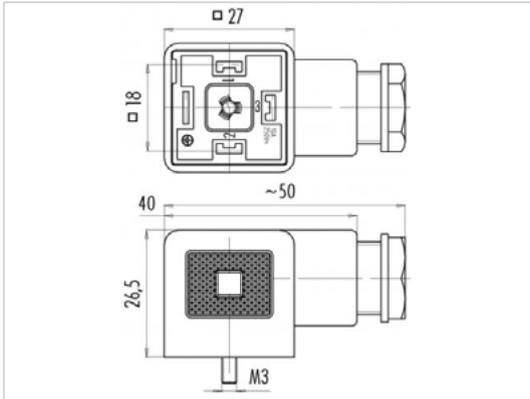
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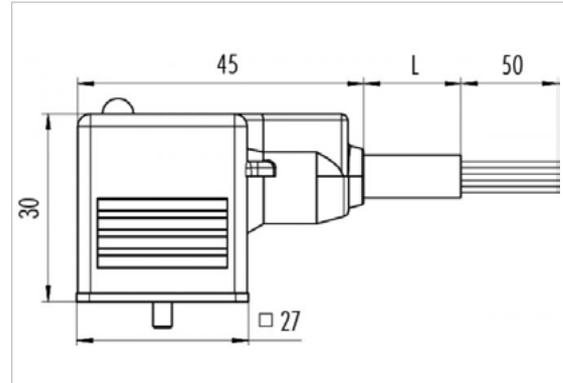
Series STV

Drawing

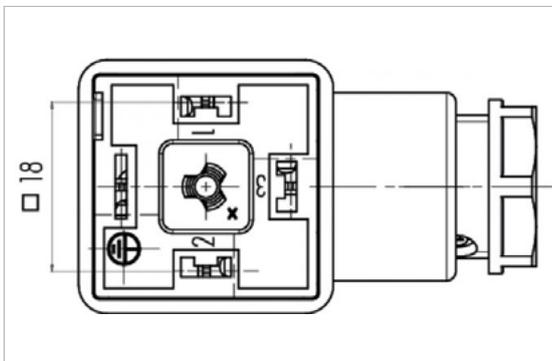
STV E 3POLPE IP65 NS



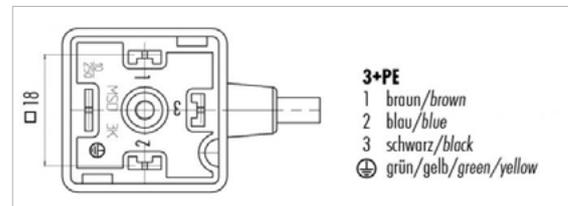
STV K3M 3POLPE IP67 NS



Contact arrangement 3 pole + PE without cable



Contact arrangement 3 pole + PE with cable



- 3+PE**
- 1 braun/brown
 - 2 blau/blue
 - 3 schwarz/black
 - ⊕ grün/gelb/green/yellow

Sealing element for connector without cable

