

# Connector, form B, analogue with EN 175301-803 (ISO 6952)

## Housing

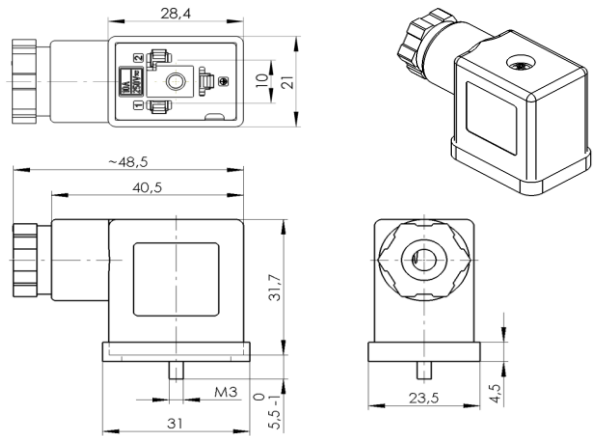
|          |                                  |
|----------|----------------------------------|
| Type     | one-piece                        |
| Color    | opaque (milky)                   |
| Material | PA6 GF20                         |
| Imprint  | circuit diagram; black; top side |

## Cable gland

|                   |              |
|-------------------|--------------|
| Thread            | M16 x 1,5 mm |
| Cable diameter    | 6-8 mm       |
| Color             | black        |
| Material          | PA6 GF30     |
| Tightening torque | 1,8 ± 0,2 Nm |

## Terminal block

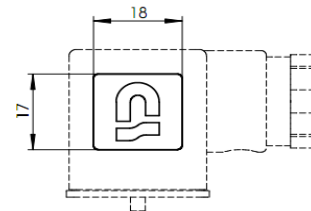
|                               |          |
|-------------------------------|----------|
| Material                      | PA6 GF30 |
| Poles                         | 2 + PE   |
| Direction of protecting earth | 12 h     |
| Contact distance              | 10 mm    |



## ④ Contacts \*\*

|                         |                  |
|-------------------------|------------------|
| Material                | CuZn, tin-plated |
| Resistance              | < 15 mOhm        |
| Conductor cross-section | 0,5 - 1,5 mm²    |
| Tightening torque       | max. 0,3 Nm      |

## Logo



## Gasket

|          |            |
|----------|------------|
| Material | NBR, black |
| Type     | profile    |

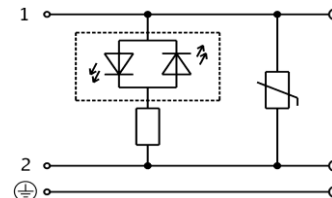
## Fastening screw

|                   |                                    |
|-------------------|------------------------------------|
| ④ Material        | steel 4.8, coated with zinc-nickel |
| ④ Size            | M3 x 34,0 mm (with cross recess)   |
| Tightening torque | 0,4 ± 0,1 Nm                       |
| Sealing washer    | n/a                                |

## Circuit

|                                   |                |
|-----------------------------------|----------------|
| Circuit                           | LED + varistor |
| Color of LED                      | red            |
| Protecting element                | yes, varistor  |
| Voltage                           | 24 V ± 15 %    |
| Current type                      | AC / DC        |
| Operating current                 | max. 1,5 A     |
| Protecting against wrong polarity | yes            |

## Circuit diagram



## General properties

|                                |                 |
|--------------------------------|-----------------|
| Ambient temperature range      | -25°C ... +90°C |
| RoHS                           | yes             |
| CSA approval                   | n/a             |
| Protection grade (IEC 60529) * | IP65            |

## Packaging

100 pcs packaging. Terminal block and housing are packed in pre-assembled condition. Cable gland componets are pre-assembled in housing. Fastening screw is inserted in the packet in packaged condition. Profile gasket is inserted into the packet in packaged condition.

\* Must be tested in properly mounted state on the counterpart.

\*\* In order to establish a suitable electrical connection, the use of ferrules for stranded respectively fine-stranded conductors is mandatory. Be aware that the conductor cross-section affects the maximum current-load capacity.

|                       |                            |                      |            |                                                                                                |  |                                                                                                                                  |  |                |  |                 |  |
|-----------------------|----------------------------|----------------------|------------|------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------|--|----------------|--|-----------------|--|
|                       |                            |                      |            | Zulässige Abweichung für Maße ohne Toleranzangabe<br>Unless otherwise specified tolerances     |  | Format/Size: A4                                                                                                                  |  | Maßstab/Scale: |  | Gewicht/Weight: |  |
|                       |                            |                      |            | DIN ISO 2768-v                                                                                 |  | Werkstoff:<br>Material:                                                                                                          |  |                |  |                 |  |
|                       |                            |                      |            |                                                                                                |  |                                                                                                                                  |  |                |  |                 |  |
| 4                     | 31645                      | 07.10.2022           | BKI        | Schutzvermerk beachten<br>Observe protection note<br>ISO 16016                                 |  | Benennung:<br>Title:<br><br><div>Connector field att. B 03Br</div>                                                               |  |                |  |                 |  |
| 3                     | 31554                      | 26.07.2022           | BKI        |                                                                                                |  |                                                                                                                                  |  |                |  |                 |  |
| 2                     | 29839                      | 17.02.2020           | AKO        |                                                                                                |  |                                                                                                                                  |  |                |  |                 |  |
| 1                     | 29397                      | 26.06.2019           | GJO        |                                                                                                |  |                                                                                                                                  |  |                |  |                 |  |
| Ind Rev               | Änderung-Nr.<br>Change no. | Datum<br>Date        | Name<br>By | <div></div> |  | Ident. - Nr.:<br><div>613-201-0019</div> <div>Freigabe-Nr.:<br/>Approval no.:<br/>27609</div> <div>Blatt:<br/>Sheet:<br/>1</div> |  |                |  |                 |  |
| Geprüft:<br>Checked:  |                            | 07.10.2022<br>JONAS  |            |                                                                                                |  |                                                                                                                                  |  |                |  |                 |  |
| Erstellt:<br>Created: |                            | 13.03.2017<br>MANGRA |            |                                                                                                |  |                                                                                                                                  |  |                |  |                 |  |
|                       |                            |                      |            | Ersatz für/Replacement for:                                                                    |  |                                                                                                                                  |  |                |  |                 |  |