

# Connector, form B, industrial type

## Housing

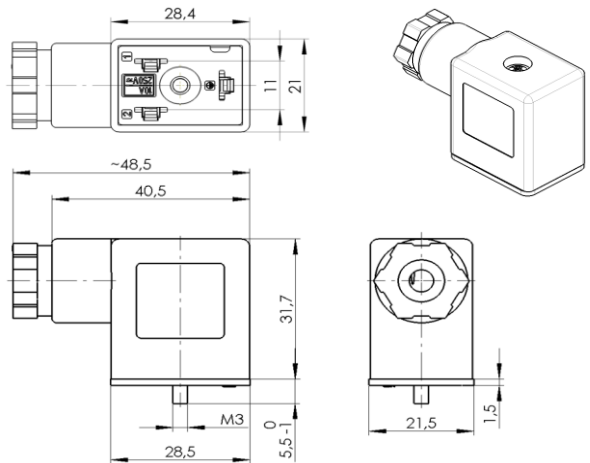
|          |                                  |
|----------|----------------------------------|
| Type     | one-piece                        |
| Color    | opaque (milky)                   |
| Material | PA6 GF20                         |
| Imprint  | circuit diagram; black; top side |

## 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

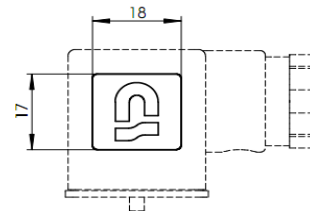
|                               |          |
|-------------------------------|----------|
| Material                      | PA6 GF30 |
| Poles                         | 2 + PE   |
| Direction of protecting earth | 12 h     |
| Contact distance              | 11 mm    |



## 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     | flat       |

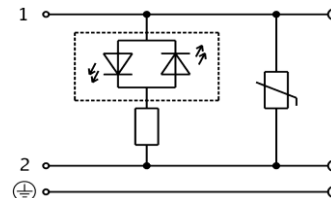
## Fastening screw

|                   |                                    |
|-------------------|------------------------------------|
| 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                           | 230 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. Flat 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 |  |                                |  |       |  |                  |  |   |  |
| 3                           |  |                            |  | 31531                                                                                      |  | 13.07.2022              |  | BKI                                                                                            |  |                                                                |  |                                |  |       |  |                  |  |   |  |
| 2                           |  |                            |  | 29839                                                                                      |  | 14.02.2020              |  | AKO                                                                                            |  |                                                                |  |                                |  |       |  |                  |  |   |  |
| 1                           |  |                            |  | 29397                                                                                      |  | 26.06.2019              |  | GJO                                                                                            |  |                                                                |  |                                |  |       |  |                  |  |   |  |
| Ind Rev                     |  | Änderung-Nr.<br>Change no. |  | Datum<br>Date                                                                              |  | Name<br>By              |  | <div></div> |  |                                                                |  |                                |  |       |  |                  |  |   |  |
| Geprüft:<br>Checked:        |  | 07.10.2022<br>JONAS        |  |                                                                                            |  |                         |  |                                                                                                |  |                                                                |  |                                |  |       |  |                  |  |   |  |
| Erstellt:<br>Created:       |  | 02.05.2017<br>MANGRA       |  |                                                                                            |  |                         |  |                                                                                                |  |                                                                |  |                                |  |       |  |                  |  |   |  |
| Connector field att. I 03Er |  |                            |  |                                                                                            |  |                         |  | Ident. - Nr.:                                                                                  |  | 612-201-0134                                                   |  | Freigabe-Nr.:<br>Approval no.: |  | 27722 |  | Blatt:<br>Sheet: |  | 1 |  |
|                             |  |                            |  |                                                                                            |  |                         |  | Ersatz für/Replacement for:                                                                    |  |                                                                |  |                                |  |       |  |                  |  |   |  |