

# Connector, form A, analogue with EN 175301-803 (ISO 4400)

## Housing

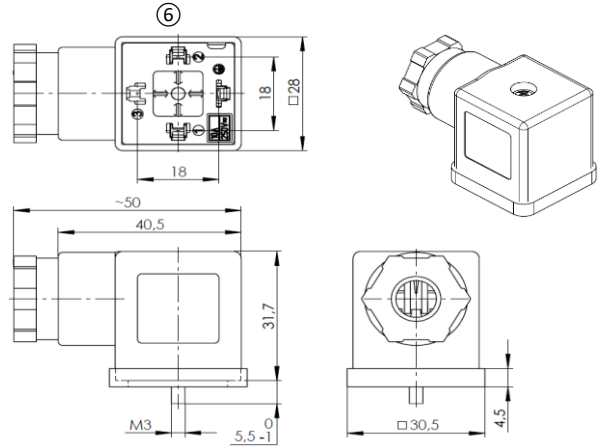
|          |                                  |
|----------|----------------------------------|
| Type     | one-piece                        |
| Color    | opaque (milky)                   |
| Material | PA6 GF20                         |
| Imprint  | circuit diagram; black; top side |

## Cable gland

|                   |              |
|-------------------|--------------|
| Thread            | M20 x 1,5 mm |
| Cable diameter    | 6-8, 8-10 mm |
| Color             | black        |
| Material          | PA6 GF30     |
| Tightening torque | 1,8 ± 0,2 Nm |

## Terminal block

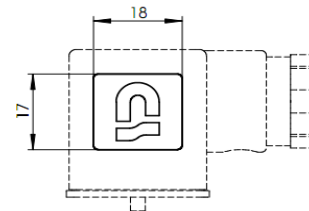
|                               |          |
|-------------------------------|----------|
| Material                      | PA6 GF30 |
| Poles                         | 2 + PE   |
| Direction of protecting earth | 12 h     |
| Contact distance              | 18 mm    |



## ⑥ Contacts \*\*

|                         |                           |
|-------------------------|---------------------------|
| Material                | CuZn, tin-plated          |
| Resistance              | < 15 mOhm                 |
| Conductor cross-section | 0,5 - 1,5 mm <sup>2</sup> |
| Tightening torque       | max. 0,3 Nm               |

## Logo



## Gasket

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

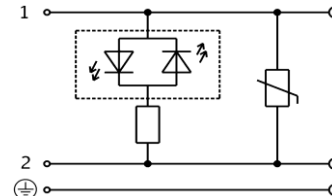
## Fastening screw

|                   |                                    |
|-------------------|------------------------------------|
| Material          | steel 4.8, coated with zinc-nickel |
| 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

Single packaging. Terminal block and housing are packed in pre-assembled condition. Cable gland components are packed loose. Fastening screw is inserted into the plastic bag. Profile gasket is inserted into the plastic bag. The transparent packaging bag is printed with customer specific informations.

\* 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 Unless otherwise specified tolerances |  |                         |                      | Format/Size: A4                |       | Maßstab/Scale:   |   | Gewicht/Weight: |  |
| 6                                       | 31686                      | 01.12.2022    | BKI        | DIN ISO 2768-v                                                                          |  | Werkstoff:<br>Material: | Benennung:<br>Title: | Connector field att. A 03Er    |       |                  |   |                 |  |
| 5                                       | 31633                      | 29.09.2022    | BKI        |                                                                                         |  |                         |                      |                                |       |                  |   |                 |  |
| 4                                       | 29839                      | 14.02.2020    | AKO        |                                                                                         |  |                         |                      |                                |       |                  |   |                 |  |
| 3                                       | 29329                      | 30.05.2019    | GJO        | Schutzvermerk beachten Observe protection note ISO 16016                                |  |                         |                      |                                |       |                  |   |                 |  |
| 2                                       | 27518                      | 14.02.2017    | LMA        |                                                                                         |  |                         |                      |                                |       |                  |   |                 |  |
| 1                                       | 25630                      | 15.09.2014    | PKR        |                                                                                         |  |                         |                      |                                |       |                  |   |                 |  |
| Ind Rev                                 | Änderung-Nr.<br>Change no. | Datum<br>Date | Name<br>By |      |  | Ident. - Nr.:           | 611-201-1037         | Freigabe-Nr.:<br>Approval no.: | 24190 | Blatt:<br>Sheet: | 1 |                 |  |
| Geprüft: 01.12.2022<br>Checked: JONAS   |                            |               |            |                                                                                         |  |                         |                      |                                |       |                  |   |                 |  |
| Erstellt: 07.09.2012<br>Created: MANGRA |                            |               |            |                                                                                         |  |                         |                      |                                |       |                  |   |                 |  |
|                                         |                            |               |            | Ersatz für/Replacement for:                                                             |  |                         |                      |                                |       |                  |   |                 |  |

# Connector field att. A 03Er