



## Electrical data

|                               |                                                                                               |
|-------------------------------|-----------------------------------------------------------------------------------------------|
| Current consumption per LED   | 4 mA                                                                                          |
| Galvanic isolation            | +24 V and 0 V for left side (Slots 1, 3) and right side (Slots 2, 4) by means of cable bridge |
| Isolation resistance          | ≥ 10 GOhm                                                                                     |
| Operating voltage Ub          | 18...30 VDC                                                                                   |
| Output current max.           | 4 A                                                                                           |
| Protection class              | III (EN 60664-1)                                                                              |
| Rated operating voltage Ue DC | 24 V                                                                                          |
| Total current max.            | 8 A (for 1x feed)<br>16 A (for 2x feed)                                                       |
| Withstand voltage             | 800 V                                                                                         |

|                            |                 |
|----------------------------|-----------------|
| Power indicator            | LED green (2x)  |
| Switching function display | Yellow LED (8x) |

Connection slots 8x M12x1-Female, 4-pin

## Material

|                          |        |
|--------------------------|--------|
| Housing material         | PBT    |
| Material contact carrier | PA 6.6 |
| Material contacts        | Brass  |

|                           |                                 |
|---------------------------|---------------------------------|
| Casting                   | yes                             |
| Connection cross-section  | 0.08...1.5 mm <sup>2</sup>      |
| Mounting part             | M4 (4x)                         |
| Tightening torque         | 1.2 Nm ±0.2 (M4)                |
| Tightening torque pigtail | 0.6 Nm + 0.1 Nm (M12 connector) |

### Anschlusstabelle / terminal diagram

| Klemme Nr.<br>Termina No. | M12 Buchse / M12 Socket<br>Steckplatz/Kontakt / Slot/contact | Kontaktbelegung / Contactassignment                                                                             |
|---------------------------|--------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| 1                         | 1 / 4                                                        | <p>Buchse / Socket M12</p> <p>(-) 3      4 ( NO/1.Signal)</p> <p>5 ( PE)</p> <p>( NC/2.Signal) 2      1 (+)</p> |
| 2                         | 2 / 4                                                        |                                                                                                                 |
| 3                         | 3 / 4                                                        |                                                                                                                 |
| 4                         | 4 / 4                                                        |                                                                                                                 |
| 5                         | 5 / 4                                                        |                                                                                                                 |
| 6                         | 6 / 4                                                        |                                                                                                                 |
| 7                         | 7 / 4                                                        |                                                                                                                 |
| 8                         | 8 / 4                                                        |                                                                                                                 |
|                           |                                                              |                                                                                                                 |
|                           |                                                              |                                                                                                                 |
|                           |                                                              |                                                                                                                 |
|                           |                                                              |                                                                                                                 |
|                           |                                                              |                                                                                                                 |
| +1                        | 1, 3, 5, 7 / 1 (+)                                           | <p>Klemmen / terminals</p> <p>BR1</p> <p>BR2</p>                                                                |
| +2                        | 2, 4, 6, 8 / 1 (+)                                           |                                                                                                                 |
| -1                        | 1, 3, 5, 7 / 3 (-)                                           |                                                                                                                 |
| -2                        | 2, 4, 6, 8 / 3 (-)                                           |                                                                                                                 |
| PE                        | 1-8 / 5 ( PE)                                                |                                                                                                                 |

## Wiring Diagrams

