

Technical data :

| | |
|---------------------------|---|
| Operating voltage | 10...30V DC |
| Input type | 4 x input PNP compatible (E1.2, E2.2, E3.2, E4.2) |
| Input current | < 7 mA |
| Non-Load consumption | < 80 mA |
| Output type | 40 x output PNP |
| Operating current | 20 mA / Output |
| Voltage drop | < 2V |
| Residual current | < 70 µA |
| Ambient temperature range | 0...60 °C |

Protection :

| | |
|--|------------------------|
| Protection degree | IP67 |
| Reverse polarity protection | |
| Output overload and short-circuit protection | |
| IEC 61000-4-2 (ESD) | 4 kV contact / 8kV air |
| IEC 61000-4-4 (Burst) | 2kV / 5kHz |
| IEC 61000-4-6 (RF conducted) | 3V 150kHz...80MHz |

Status indication :

| | |
|------------------------------------|---------------------|
| Power (PWR) / Short-circuit (FAIL) | Green LED / Red LED |
| Inputs (E1.2, E2.2, E3.2, E4.2) | Yellow LEDs |
| Signals (E1.4, E2.4, E3.4, E4.4) | Yellow LEDs |

Other characteristics

Available current of 1A / Signal (E1.4, E2.4, E3.4, E4.4) with a total current of 4A maximum.
 Total current of 4A maximum
 Inputs compatible with 3-wires PNP and 2-wires IPS, with residual voltage <5V and residual current < 1,5mA

Materials :

| | |
|-------------------|----------------------------------|
| Housing | Anodized aluminium |
| Protection screen | Polycarbonate (PC) |
| Potting | PUR (UL94-V0 self-extinguishing) |

M12 female receptacle :

| | |
|---------------------|--|
| Receptacle material | CuZn, nickel-plated |
| Contact diameter | 5 x Ø1 mm |
| Contact material | CuZn, pre-plated with nickel and gold-plated |

Male DEUTSCH receptacle :

| | |
|------------------|---|
| Contact diameter | 42 x Ø1 mm + 5 x Ø1,55 mm |
| Contact material | (Ø1) Gold-plated & (Ø1,55) nickel-plated contacts |
| Hood material | Aluminium |

Accessories (included) :

1 plastic screwdriver for DIP switches and rotary switches settings
 4 caps (OBTM12)

Accessories (not included) :

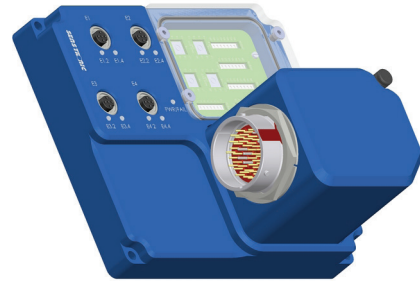
Extension double-ended cordset H46D47MCLxxxx5W1

Remark :

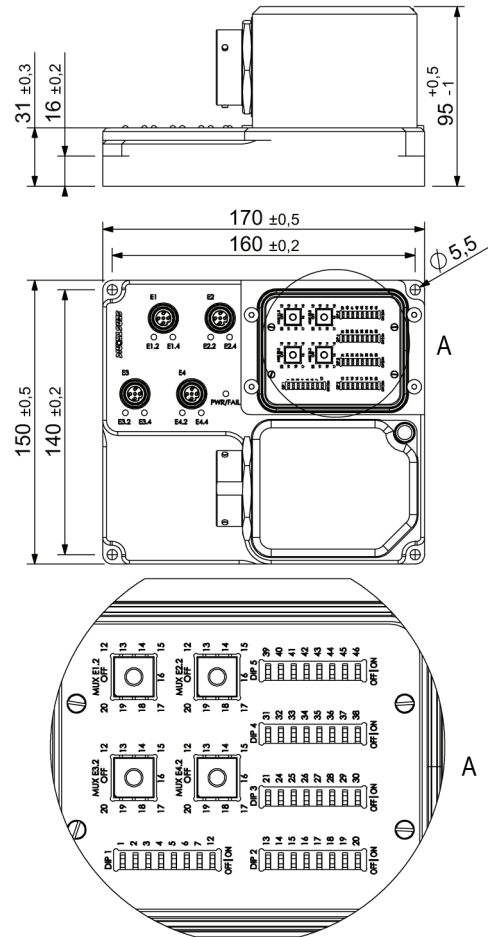
Protection screen screws : 4 x FHC M4 DIN7991(ISO10642)

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Press tools



Dimensions :



Wiring diagram :

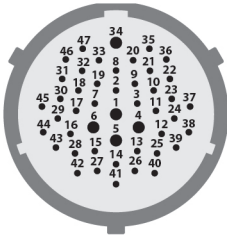
See following page

Wiring diagram :



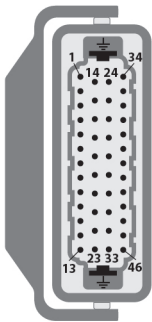
STA9111651809A

Deutsch



STA9111651809A + H46D47MCLXXX5W1

Harting



| Harting Pin | Deutsch Pin | Description | Harting Pin connected to 10...30 V DC | MUX E1.2 Position to connect Input E1.2 to Harting PIN | MUX E2.2 Position to connect Input E2.2 to Harting PIN | MUX E3.2 Position to connect Input E3.2 to Harting PIN | MUX E4.2 Position to connect Input E4.2 to Harting PIN |
|-------------|-------------|------------------|---------------------------------------|--|--|--|--|
| 22 | 6 | 0 V DC (-) | - | - | - | - | - |
| 23 | 4 | 10...30 V DC (+) | - | - | - | - | - |
| | 34 | Earth | - | - | - | - | - |
| 8 | 35 | Signal E1.4 | - | - | - | - | - |
| 9 | 47 | Signal E2.4 | - | - | - | - | - |
| 10 | 1 | Signal E3.4 | - | - | - | - | - |
| 11 | 5 | Signal E4.4 | - | - | - | - | - |
| 1 | 30 | | 1 | - | - | - | - |
| 2 | 2 | | 2 | - | - | - | - |
| 3 | 3 | | 3 | - | - | - | - |
| 4 | 31 | | 4 | - | - | - | - |
| 5 | 8 | | 5 | - | - | - | - |
| 6 | 9 | | 6 | - | - | - | - |
| 7 | 7 | | 7 | - | - | - | - |
| 12 | 28 | | 12 | 12 | 12 | 12 | 12 |
| 13 | 13 | | 13 | 13 | 13 | 13 | 13 |
| 14 | 14 | | 14 | 14 | 14 | 14 | 14 |
| 15 | 15 | | 15 | 15 | 15 | 15 | 15 |
| 16 | 16 | | 16 | 16 | 16 | 16 | 16 |
| 17 | 29 | | 17 | 17 | 17 | 17 | 17 |
| 18 | 17 | | 18 | 18 | 18 | 18 | 18 |
| 19 | 19 | | 19 | 19 | 19 | 19 | 19 |
| 20 | 32 | | 20 | 20 | 20 | 20 | 20 |
| 21 | 33 | | 21 | - | - | - | - |
| 24 | 10 | | 24 | - | - | - | - |
| 25 | 11 | | 25 | - | - | - | - |
| 26 | 24 | | 26 | - | - | - | - |
| 27 | 12 | | 27 | - | - | - | - |
| 28 | 25 | | 28 | - | - | - | - |
| 29 | 26 | | 29 | - | - | - | - |
| 30 | 27 | | 30 | - | - | - | - |
| 31 | 20 | | 31 | - | - | - | - |
| 32 | 21 | | 32 | - | - | - | - |
| 33 | 18 | | 33 | - | - | - | - |
| 34 | 36 | | 34 | - | - | - | - |
| 35 | 22 | | 35 | - | - | - | - |
| 36 | 23 | | 36 | - | - | - | - |
| 37 | 37 | | 37 | - | - | - | - |
| 38 | 38 | | 38 | - | - | - | - |
| 39 | 39 | | 39 | - | - | - | - |
| 40 | 40 | | 40 | - | - | - | - |
| 41 | 41 | | 41 | - | - | - | - |
| 42 | 42 | | 42 | - | - | - | - |
| 43 | 43 | | 43 | - | - | - | - |
| 44 | 44 | | 44 | - | - | - | - |
| 45 | 45 | | 45 | - | - | - | - |
| 46 | 46 | | 46 | - | - | - | - |