

SOLID67 DI16 60mm M12L 5P

to be discontinued - Last Time Order: 2025-03-31

Art.No.: 54500

Weight: 0.507 kg

Country of origin: DE

Model designation: SOLID67 DI16 60mm M12L 5P

Digital inputs

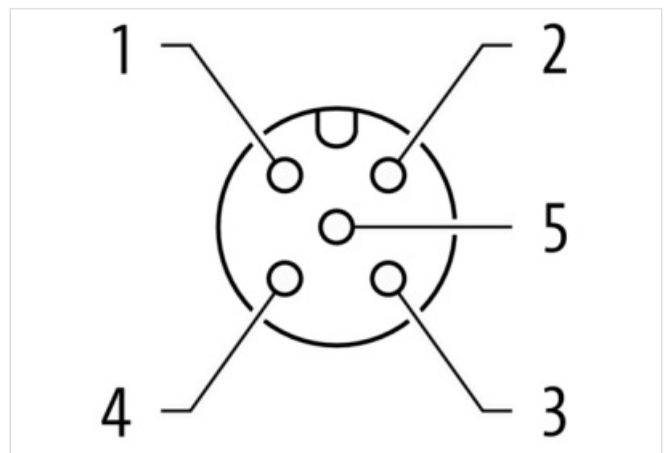
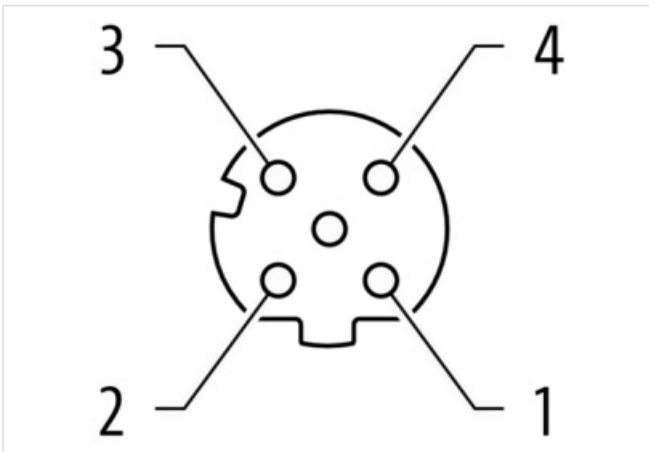
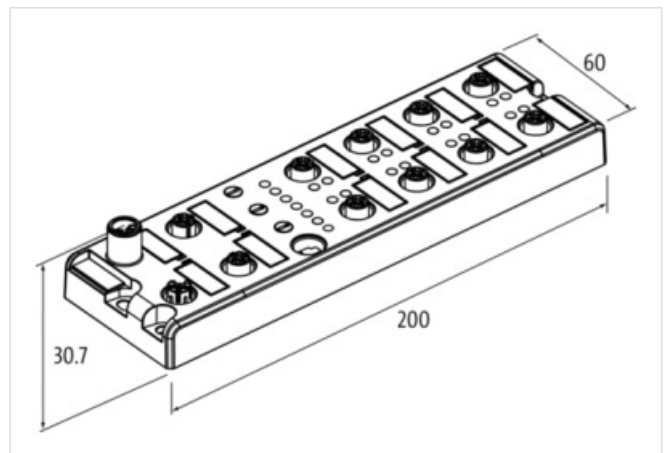
DI16

M12 Power, 5-pole, L-coded

60 mm

Connection cables are in the online shop under "Connection Technology".

Housing fully potted.

Link to Product**Illustration**

Product may differ from Image

**Commercial data**

URL Webshop

<https://shop.murrelektronik.com/54500>

| | |
|-----------------------|---------------|
| GTIN | 4048879727655 |
| Customs tariff number | 85389099 |
| ECLASS-6.0 | 27242604 |
| ECLASS-6.1 | 27242604 |
| ECLASS-7.0 | 27242604 |
| ECLASS-8.0 | 27242604 |
| ECLASS-9.0 | 27242604 |
| ECLASS-10.1 | 27242604 |
| ECLASS-11.1 | 27242604 |
| ECLASS-12.0 | 27242604 |
| ETIM-5.0 | EC001599 |
| ETIM-6.0 | EC001599 |
| ETIM-7.0 | EC001599 |
| ETIM-8.0 | EC001599 |
| customs tariff number | 85389099 |
| EAN | 4048879727655 |
| Packaging unit | 1 |

Electrical data | Supply

| | |
|-------------------------|----------------|
| Norm operating voltage | IEC/EN 61131-2 |
| Operating voltage US DC | 24 V |
| Total current US max. | 9 A |
| Total current UA max. | 9 A |

Electrical data | Input

| | |
|----------------------------------|--|
| Sensor current US per input max. | 0,2 A |
| Short-circuit protected | Yes |
| Overload resistant | Yes |
| Type input | for 3-wire sensors or mechanical switches, PNP |

Industrial communication | Bus data

| | |
|--------------------|----------|
| Supported protocol | Profinet |
|--------------------|----------|

Industrial communication | Ethernet/IP

| | |
|-------------------------------------|----------------------------|
| Addressing | Rotary switch, BOOTP, DHCP |
| Device Level Ring (DLR) | Yes |
| Supports quick connection (QC) max. | 500 ms |

Industrial communication | Profinet

| | |
|---------------------------|------|
| Conformance Class | C |
| addressing | DCP |
| Netload Class | III |
| Specification | V2.3 |
| IRT-network communication | Yes |
| MRP client | Yes |

Diagnostics

| | |
|-------------------------|----------------------------------|
| Actuator warning | via LED and BUS |
| Short circuit diagnosis | Yes |
| Overload diagnosis | Yes |
| Cable break | per port |
| Diagnostic | No voltage, Under voltage |
| Diagnostic via BUS | per module and channel |
| Diagnostic via LED | per module and channel |
| LED display | Ethernet connection/data traffic |

Device protection | Electrical

| | |
|-------------------------------------|------|
| Degree of protection (EN IEC 60529) | IP67 |
|-------------------------------------|------|

Mechanical data | Mounting data

| | |
|----------------------------|-----------------------|
| Height | 30,7 mm |
| Width | 60 mm |
| Depth | 200 mm |
| Suitable for mounting type | 2-hole screw mounting |

Environmental characteristics | Climatic

| | |
|----------------------------|--------|
| Operating temperature min. | -20 °C |
| Operating temperature max. | 70 °C |

Connection type 4

| | |
|--------------------------|--------------|
| Connection type 1 | X01, X02 |
| Connection type 2 | X03 |
| Connection type 3 | X04 |
| Connection type 4 | X1-X8 |
| Family construction form | M12 |
| No. of poles | 4 |
| Coding | D |
| Gender | female |
| Color contact carrier | green |
| PIN 1 | TD + |
| PIN 2 | RD + |
| PIN 3 | TD - |
| PIN 4 | RD - |
| Family construction form | M12 |
| No. of poles | 5 |
| Coding | L |
| Gender | male |
| Color contact carrier | gray |
| PIN 1 | 24 V DC (US) |
| PIN 2 | 0 V (UA) |
| PIN 3 | 0 V (US) |
| PIN 4 | 24 V DC (UA) |
| PIN 5 | FE |
| Family construction form | M12 |
| No. of poles | 5 |
| Coding | L |
| Gender | female |
| Color contact carrier | gray |
| PIN 1 | 24 V DC (US) |
| PIN 2 | 0 V (UA) |
| PIN 3 | 0 V (US) |
| PIN 4 | 24 V DC (UA) |
| PIN 5 | FE |
| Family construction form | M12 |
| No. of poles | 5 |
| Coding | A |
| Gender | female |
| Color contact carrier | black |
| PIN 1 | 24 V DC (US) |
| PIN 2 | DI B |
| PIN 3 | 0 V |
| PIN 4 | DI A |
| PIN 5 | PE |