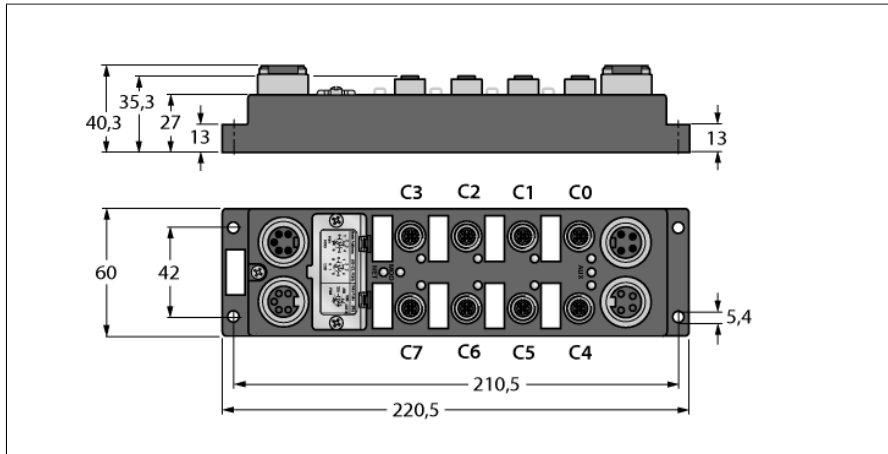


I/O Module for DeviceNet Fieldbus

4 digital pnp/npn inputs

4 digital outputs 0.5 A

FDNP-L0404G-TT



- 4 digital npn/pnp inputs
- and 4 digital outputs, 24 VDC 0.5 A
- Wire-break monitoring
- Short-circuit monitoring
- Channel-related diagnostics
- One channel per connector
- Separate actuator power supply
- Fibre-glass reinforced PA6 housing
- Vibration and shock-resistant
- Encapsulated module electronics
- Metal connector
- Protection class IP67

| | |
|---------------------------|----------------|
| Type | FDNP-L0404G-TT |
| ID | F0072 |
| Number of channels | 8 |
| Operating / load voltage | 11...26 VDC |
| Operating current | < 140 mA |
| Voltage supply connection | 2 x 7/8" |

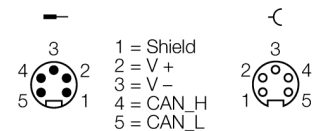
| Inputs | |
|----------------------|--|
| Number of channels | (4) 3-wire npn/pnp sensors |
| Input voltage | 13...26 VDC |
| Supply current | < 80 mA per input, short-circuit proof |
| Switching threshold | EN 61131-3 low max.: 1.5 mA / high min.: 2 mA |
| Input delay | 2.5 ms |
| Switching frequency | ≤ 100 Hz |
| Max. input current | 7 mA |
| Electrical isolation | galvanic isolation against the bus |

| Outputs | |
|----------------------------|------------------------------------|
| Number of channels | (4) DC actuators |
| Output voltage | 24 VDC |
| Output current per channel | 0.5 A, short-circuit proof |
| Load type | resistive, inductive, lamp load |
| Switching frequency | ≤ 100 Hz |
| Simultaneity factor | 1 |
| Electrical isolation | galvanic isolation against the bus |

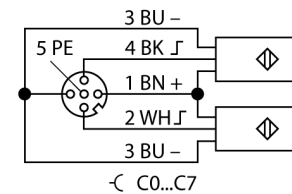
| | |
|-----------------------|----------------|
| Sensor supply | bus connection |
| Actuator power supply | separate (Aux) |

| | |
|----------------------------|--|
| Fieldbus transmission rate | 125/250/500 kbps |
| Fieldbus addressing | 0...63 (dezimal) über Drehcodierschalter |

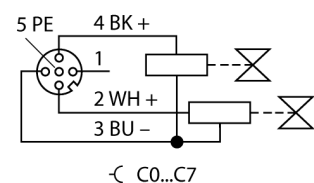
Fieldbus



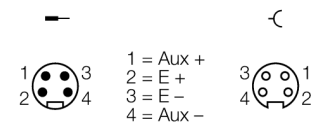
M12 × 1 Input



M12 × 1 Output



7/8" Power Supply



| | |
|------------------------|---|
| Dimensions (W x L x H) | 60 x 220.5 x 27 mm |
| Housing material | fibre-glass reinforced Polyamide (PA6-GF30) |
| Mounting | 4 mounting holes Ø 5,4 mm |
| Ambient temperature | -25...+70 °C |
| Protection class | IP67 |
| MTTF | 142 years acc. to SN 29500 (Ed. 99) 20 °C |
| Approvals | CE, UL, CSA, FM |

Data in process image

C1P4: Male Connector 1, 4-pole

APS: Auxiliary Status

ISS-3: Short-circuit channel 3

IOS-2: Wire-break channel 2:

OS: Output statuses

| | | Bit 7 | Bit 6 | Bit 5 | Bit 4 | Bit 3 | Bit 2 | Bit 1 | Bit 0 |
|---------------|---------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Input | Byte 0 | - | - | - | - | C3P4 | C2P4 | C1P4 | C0P4 |
| | Byte 1 | IOS-3 | IOS-2 | IOS-1 | IOS-0 | ISS-3 | ISS-2 | ISS-1 | ISS-0 |
| | Byte 2 | OOS-3 | OOS-2 | OOS-1 | OOS-0 | OSS-3 | OSS-2 | OSS-1 | OSS-0 |
| | Byte 3 | - | APS | - | - | - | - | - | - |
| Output | Byte 0 | - | - | - | - | C7P4 | C4P4 | C5P4 | C4P4 |