

**IMPACT20 PROFINET IO, DIGITAL INPUT MODULE**

16 digital inputs

Art.No.: 56920

Weight: 0.190 kg

Country of origin: CZ

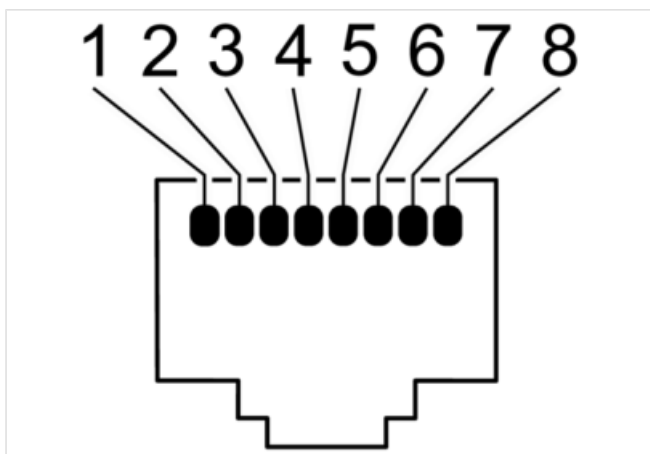
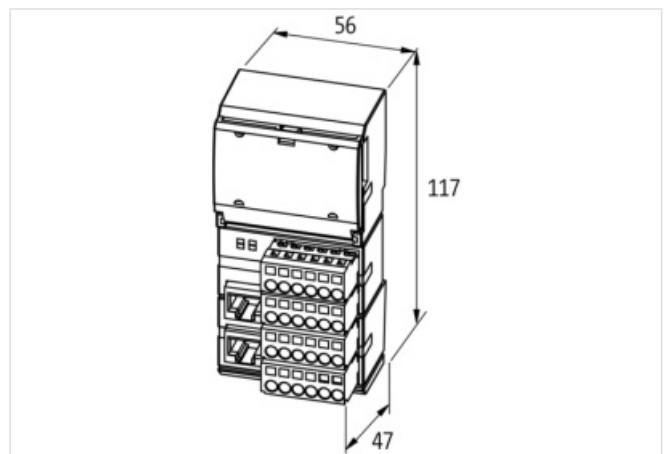
Model designation: Impact20 PN DI16

Digital inputs

DI16

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              | <a href="https://shop.murrelektronik.com/56920">https://shop.murrelektronik.com/56920</a> |
| GTIN                     | 4048879047951                                                                             |
| EU-Customs tariff number | 85389099                                                                                  |

|                          |               |
|--------------------------|---------------|
| US-Customs tariff number | 8538908180    |
| ECLASS-6.0               | 27242604      |
| ECLASS-6.1               | 27242604      |
| ECLASS-7.0               | 27242604      |
| ECLASS-7.1               | 27242604      |
| ECLASS-8.0               | 27242604      |
| ECLASS-8.1               | 27242604      |
| ECLASS-9.0               | 27242604      |
| ECLASS-9.1               | 27242604      |
| ECLASS-10.0.1            | 27242604      |
| ECLASS-10.1              | 27242604      |
| ECLASS-11.0              | 27242604      |
| ECLASS-11.1              | 27242604      |
| ECLASS-12.0              | 27242604      |
| ECLASS-13.0              | 27242604      |
| ECLASS-14.0              | 27242604      |
| ETIM-5.0                 | EC001599      |
| ETIM-6.0                 | EC001599      |
| ETIM-7.0                 | EC001599      |
| ETIM-8.0                 | EC001599      |
| customs tariff number    | 85389099      |
| EAN                      | 4048879047951 |
| Packaging unit           | 1             |

#### Electrical data | Supply

|                         |                |
|-------------------------|----------------|
| Norm operating voltage  | IEC/EN 61131-2 |
| Operating voltage DC    | 24 V           |
| Operating voltage US DC | 24 V           |
| Total current UA max.   | 12 A           |

#### Electrical data | Input

|                                |                                                |
|--------------------------------|------------------------------------------------|
| Current carrying capacity max. | 0,7 A                                          |
| Short-circuit protected        | Yes                                            |
| Overload resistant             | Yes                                            |
| Type input                     | for 3-wire sensors or mechanical switches, PNP |

#### Industrial communication | PROFINET

|            |     |
|------------|-----|
| addressing | DCP |
|------------|-----|

#### Diagnostics

|                         |                                  |
|-------------------------|----------------------------------|
| Short circuit diagnosis | Yes                              |
| Overload diagnosis      | Yes                              |
| Diagnostic              | No voltage, Under voltage        |
| Diagnostic via BUS      | per module                       |
| Diagnostic via LED      | per module                       |
| LED display             | Ethernet connection/data traffic |

#### Installation

|                               |                     |
|-------------------------------|---------------------|
| Connection cross section max. | 2,5 mm <sup>2</sup> |
|-------------------------------|---------------------|

#### Device protection | Electrical

|                                     |      |
|-------------------------------------|------|
| Degree of protection (EN IEC 60529) | IP20 |
|-------------------------------------|------|

#### Mechanical data | Mounting data

|                 |            |
|-----------------|------------|
| Height          | 117 mm     |
| Width           | 56 mm      |
| Depth           | 47 mm      |
| Mounting method | geschnappt |

Suitable for mounting type (EN 60715), mounting rail

#### Environmental characteristics | Climatic

|                                          |                  |
|------------------------------------------|------------------|
| Operating temperature min.               | 0 °C             |
| Operating temperature max.               | 55 °C            |
| Ambient temperature (storage, transport) | -20 °C ... 70 °C |

#### Conformity

|                  |                |
|------------------|----------------|
| Product standard | IEC/EN 61131-2 |
|------------------|----------------|

#### Connection type 5

|                          |                           |
|--------------------------|---------------------------|
| Connection type 1        | X0                        |
| Connection type 2        | X1                        |
| Connection type 3        | X2                        |
| Connection type 4        | X3                        |
| Family construction form | terminal                  |
| No. of poles             | 6                         |
| Gender                   | female                    |
| Color contact carrier    | colorless                 |
| Connection               | Spring clamp terminals FK |
| PIN 1                    | CH 00                     |
| PIN 2                    | CH 01                     |
| PIN 3                    | CH 02                     |
| PIN 4                    | CH 03                     |
| PIN 5                    | UI                        |
| PIN 6                    | 0 V                       |
| Family construction form | terminal                  |
| No. of poles             | 6                         |
| Gender                   | female                    |
| Color contact carrier    | colorless                 |
| Connection               | Spring clamp terminals FK |
| PIN 1                    | CH 10                     |
| PIN 2                    | CH 11                     |
| PIN 3                    | CH 12                     |
| PIN 4                    | CH 13                     |
| PIN 5                    | n.c.                      |
| PIN 6                    | 0 V                       |
| Family construction form | terminal                  |
| No. of poles             | 6                         |
| Gender                   | female                    |
| Color contact carrier    | colorless                 |
| Connection               | Spring clamp terminals FK |
| PIN 1                    | CH 20                     |
| PIN 2                    | CH 21                     |
| PIN 3                    | CH 22                     |
| PIN 4                    | CH 23                     |
| PIN 5                    | US                        |
| PIN 6                    | 0 V                       |
| Family construction form | terminal                  |
| No. of poles             | 6                         |
| Gender                   | female                    |
| Color contact carrier    | colorless                 |
| Connection               | Spring clamp terminals FK |
| PIN 1                    | CH 30                     |
| PIN 2                    | CH 31                     |

|                          |        |
|--------------------------|--------|
| PIN 3                    | CH 32  |
| PIN 4                    | CH 33  |
| PIN 5                    | FE     |
| PIN 6                    | FE     |
| Family construction form | RJ45   |
| No. of poles             | 8      |
| Gender                   | female |
| Color contact carrier    | black  |
| PIN 1                    | TX +   |
| PIN 2                    | TX -   |
| PIN 3                    | RX +   |
| PIN 4                    | n.c.   |
| PIN 5                    | n.c.   |
| PIN 6                    | RX -   |
| PIN 7                    | n.c.   |
| PIN 8                    | n.c.   |