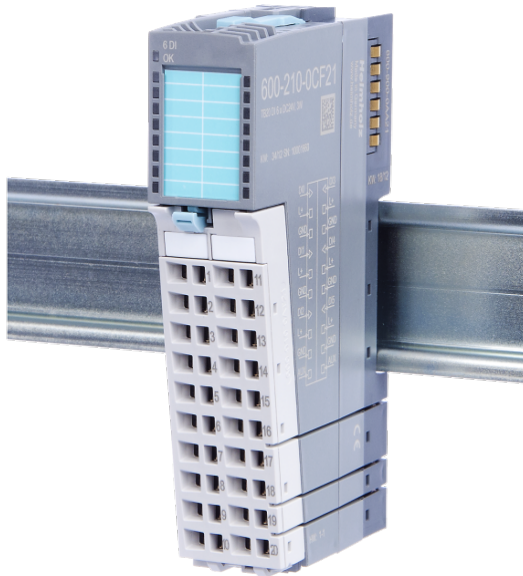




#### Features

- ✓ 24 V DC input voltage
- ✓ Can accommodate 3-wire sensors
- ✓ Fuse for 24 V DC
- ✓ A blue LED indicates the module's operating status
- ✓ Green LEDs (one for each input) indicate the input status
- ✓ 3 inputs, electrically isolated from the backplane bus

## Digital-Input-Modul, DC 24 V, 3-wire 6x

Digital input modules for the modular fieldbus IO system TB20.

**Note:** Individual modules cannot be combined with IO systems from other manufacturers.

The scope of delivery already includes the appropriate front connector for the cabling and a base module. The module has 6 digital inputs. The terminals on the front connector are arranged for convenient wiring of 3-wire sensors.

#### General information

|                                        |                       |
|----------------------------------------|-----------------------|
| Order number                           | 600-210-0CF21         |
| Article name                           | DI 6 x 24 VDC, 3-wire |
| Scope of delivery                      | DI 6 x DC 24 V        |
| Dimensions (DxWxH)                     | 110 x 25 x 73 mm      |
| Weight                                 | Approx. 110 g         |
| Number of inputs                       | 6                     |
| Power dissipation                      | Max. 1.4 W            |
| Input characteristic curve             | Type 2, EN 61131-2    |
| Reverse polarity protection for inputs | Yes                   |

|                  |     |
|------------------|-----|
| Hot-swap capable | Yes |
|------------------|-----|

#### Electrical isolation

|                        |     |
|------------------------|-----|
| from the backplane bus | Yes |
|------------------------|-----|

|                      |    |
|----------------------|----|
| Between the channels | No |
|----------------------|----|

#### Current draw

|          |           |
|----------|-----------|
| External | Max. 0 mA |
|----------|-----------|

|          |            |
|----------|------------|
| Internal | Max. 22 mA |
|----------|------------|

|          |            |
|----------|------------|
| Internal | Max. 22 mA |
|----------|------------|

#### Input voltage

|                |              |
|----------------|--------------|
| For signal "0" | -3 V ... 9 V |
|----------------|--------------|

|                |               |
|----------------|---------------|
| For signal "1" | 12 V ... 30 V |
|----------------|---------------|

|         |                |
|---------|----------------|
| L+ fuse | 4 A per group, |
|---------|----------------|

|                  |
|------------------|
| Group 1: 2, 5, 8 |
|------------------|

|                          |
|--------------------------|
| Group 2: Pins 12, 15, 18 |
|--------------------------|

#### Ambient conditions

|                     |                 |
|---------------------|-----------------|
| Ambient temperature | 0 °C ... +60 °C |
|---------------------|-----------------|

|                                   |                   |
|-----------------------------------|-------------------|
| Transport and storage temperature | -20 °C ... +80 °C |
|-----------------------------------|-------------------|

|                       |                               |
|-----------------------|-------------------------------|
| Relative air humidity | 95 % r H without condensation |
|-----------------------|-------------------------------|

|                   |       |
|-------------------|-------|
| Protection rating | IP 20 |
|-------------------|-------|

|                |        |
|----------------|--------|
| Certifications | CE, UL |
|----------------|--------|

#### UL

|                             |                |
|-----------------------------|----------------|
| Surrounding Air Temperature | 0 °C ... +60°C |
|-----------------------------|----------------|

|                  |   |
|------------------|---|
| Pollution degree | 2 |
|------------------|---|

#### CE

|                |                                 |
|----------------|---------------------------------|
| Noise immunity | DIN EN 61000-6-2 "EMC Immunity" |
|----------------|---------------------------------|

|                       |                                 |
|-----------------------|---------------------------------|
| Interference emission | DIN EN 61000-6-4 "EMC Emission" |
|-----------------------|---------------------------------|

|                                |                                                                   |
|--------------------------------|-------------------------------------------------------------------|
| Vibration and shock resistance | DIN EN 60068-2-6:2008 „Vibration“, DIN EN 60068-2-27:2010 „Shock“ |
|--------------------------------|-------------------------------------------------------------------|

