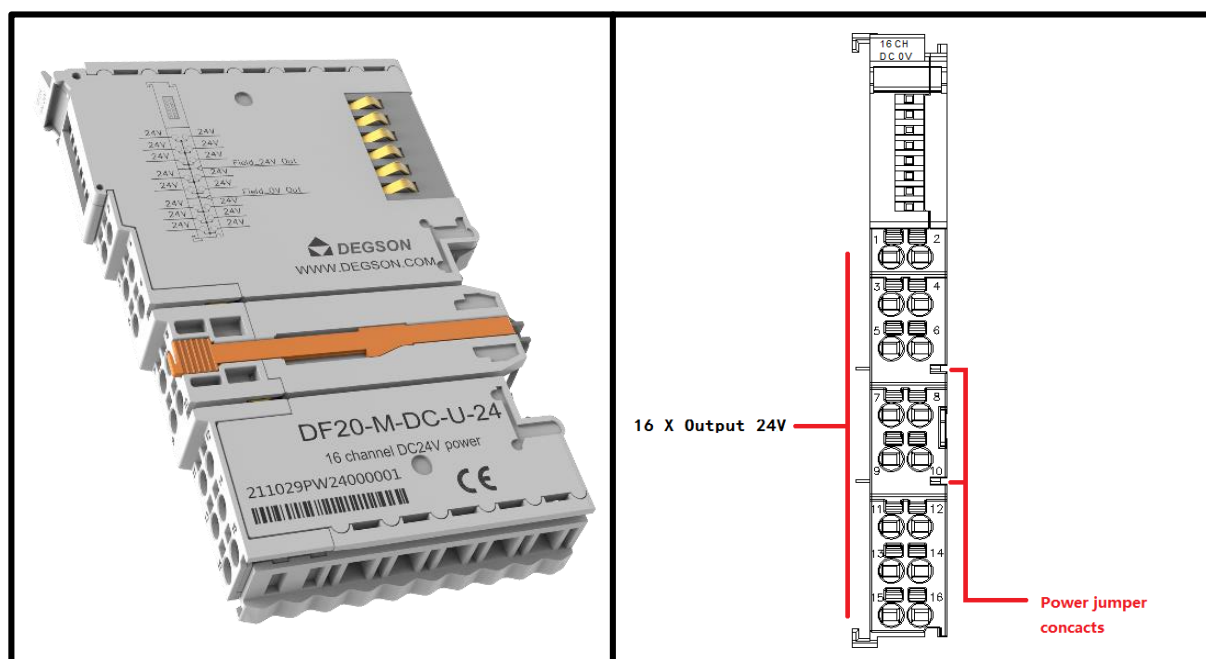


◆ 16 channel /24VDC /voltage distribution (DF20-M-DC-U-24)

- Application and connection type independent of fieldbus.
- Provides 16 channel 24VDC voltage rating for external field.
- Protection level IP20.

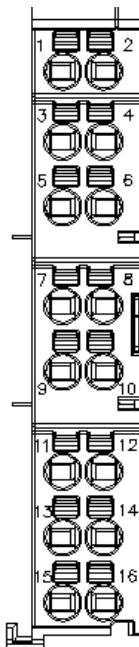


1.Specification

| Technical data | |
|---|---|
| Number of channels | 16 |
| Working voltage | 24VDC (-15%~+20%) via power jumper contacts |
| Supply field voltage | 24VDC (-15%~+20%) |
| Supply field current (MAX) | 5A |
| Number of incoming power jumper contacts | 2 |
| Number of outgoing power jumper contacts | 2 |
| Connection data | |
| Connection technology: inputs / outputs | 16 x via pluggable connector |
| Connection type 1 | Inputs/Outputs |
| Area of wire | 0.2~1.5mm ² /28~16AWG |
| Strip length | 8~9mm/0.31~0.35inches |
| Mounting type | DIN-35 RAIL |
| Material Data | |
| Color | light gray |
| Housing material | Polycarbonate; polyamide 6.6 |
| Conformity marking | CE |
| Environmental requirements | |
| Ambient temperature (operation) | -25~60°C |
| Surrounding air temperature (storage) | -40~85°C |
| Protection type | IP20 |
| Pollution degree (5) | 2, Per IEC 61131-2 |
| Operating altitude | without temperature derating: 0~2000m |
| Mounting position | Any |
| Relative humidity (without condensation) | 5~95%RH |
| Vibration resistance | 4g, Per IEC 60068-2-6 |
| Shock resistance | 15g, Per IEC 60068-2-27 |
| EMC immunity to interference | Per EN 61000-6-2 |
| EMC emission of interference | Per EN 61000-6-3 |
| Exposure to pollutants | Per IEC 60068-2-42 and IEC 60068-2-43 |
| Permissible pollutant concentration H ₂ S at a relative humidity < 75% | 10ppm |
| Permissible pollutant concentration SO ₂ at a relative humidity < 75% | 25ppm |

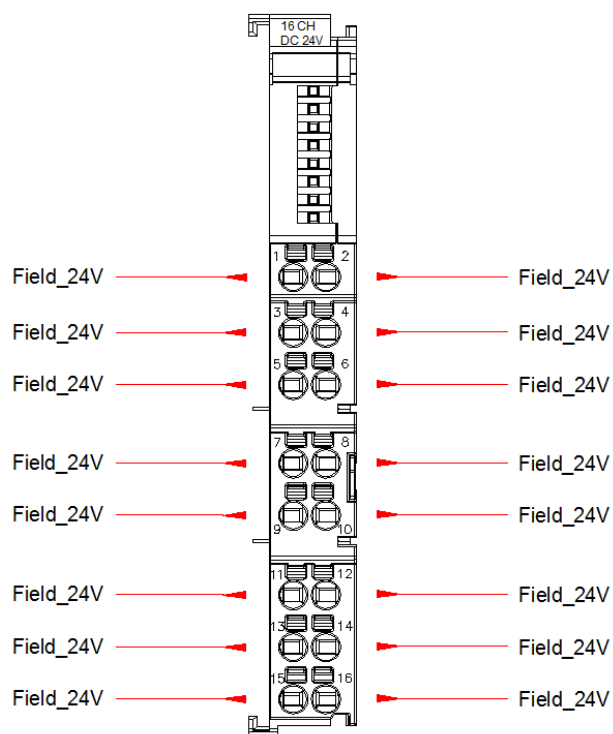
2. Hardware Interface

● Wiring Terminal



| No. | | Signal | Description |
|-----|----|--------------------------|--|
| 1 | 2 | Field power supply 24VDC | Provides 16 channel 24VDC voltage rating for external field. |
| 3 | 4 | | |
| 5 | 6 | | |
| 7 | 8 | | |
| 9 | 10 | | |
| 11 | 12 | | |
| 13 | 14 | | |
| 15 | 16 | | |

● Wiring



As shown in the picture:

Provides 16 channel 24VDC voltage rating for external field.

3.Machinery installation

● Dimension drawing

The installation size is shown in the following figure (unit: mm):

