

FBPN-0032N-TS

ARTICLE PROPERTIES

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|---------------------|--|--------------------------|------------------|
| PRODUCT TYPE | Wide form digital I/O modules | PRODUCT GROUP | IP20 Compact I/O |
| DESCRIPTION | IP20 wide form 32-channel digital output module, NPN, PROFINET, 24 V DC, IP20, DIN rail installation | PU | 1 pc |
| | | COUNTRY OF ORIGIN | CN |

TECHNICAL DATA

| | | | |
|----------------------------------|--|-------------------------------|---|
| COMMUNICATION PROTOCOL | PROFINET | OUTPUT VOLTAGE | 24 V DC |
| PROFINET I/O FEATURES | Integrierter 2-Port-Switch; Autonegotiation; MRP | OUTPUT CURRENT | Max. 0.5 A per channel, total 4 A per module |
| TRANSMISSION MEDIUM | Twisted pair S-UTP; 100 Ω; Cat. 5 | OUTPUT LOAD TYPES | Resistive loads, inductive loads, lamps |
| TRANSMISSION RATE | 10/100 Mbit/s (10 Mbit/s (ETHERNET protocols), 100 Mbit/s full duplex (PROFINET IO)) | SWITCHING FREQUENCY | Max. 1 kHz (Resistive loads) Max. 1 Hz (Inductive loads) Max. 10 Hz (Lamps) |
| BUS SEGMENT LENGTH (MAX.) | 100 m | CURRENT CONSUMPTION | 70 mA |
| BUS NODE ADDRESS | Set by PLC configuration software | PROCESS DATA LENGTH | Output 4 bytes |
| NUMBER OF DIGITAL OUTPUTS | 32 | FAULT DIAGNOSIS METHOD | LED, communication message |
| OUTPUT TYPE | NPN | | |

CONNECTION DATA

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|------------------------|---|-------------------------|------------------------------------|
| WIRE CONNECTION | Plug-in terminal block | STRIPPED LENGTHS | 8 ... 10 mm, 0.315 ... 0.394 in |
| CROSS SECTION | 0.08 mm ² ... 2.5 mm ² , AWG 28 ... 14 | | |

ENVIRONMENTAL REQUIREMENTS

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|----------------------------|------------------------------|--|----------------------------|
| PROTECTION CLASS | IP20 | ELECTRICAL FAST TRANSIENT (EFT) | Level A, per IEC 61000-4-4 |
| MOUNTING TYPE | DIN-35mm rail | ELECTRO-STATIC DISCHARGE (ESD) | Level A, per IEC 61000-4-2 |
| AMBIENT TEMPERATURE | -5 ... +60 °C | SURGE TEST | Level A, per IEC 61000-4-5 |
| STORAGE TEMPERATURE | -25 ... +70 °C | VIBRATION RESISTANCE | 4 g, per IEC 60068-2-6 |
| RELATIVE HUMIDITY | 95%, non-condensing | SHOCK RESISTANCE | 15 g, per IEC 60068-2-27 |
| OPERATING ALTITUDE | 0 ... 2000 m / 0 ... 6562 ft | EU ROHS COMPLIANCE STATUS | Yes |
| POLLUTION DEGREE | 2, per IEC 61131-2 | MATERIAL COMPLIANCE | Compliant with REACH |

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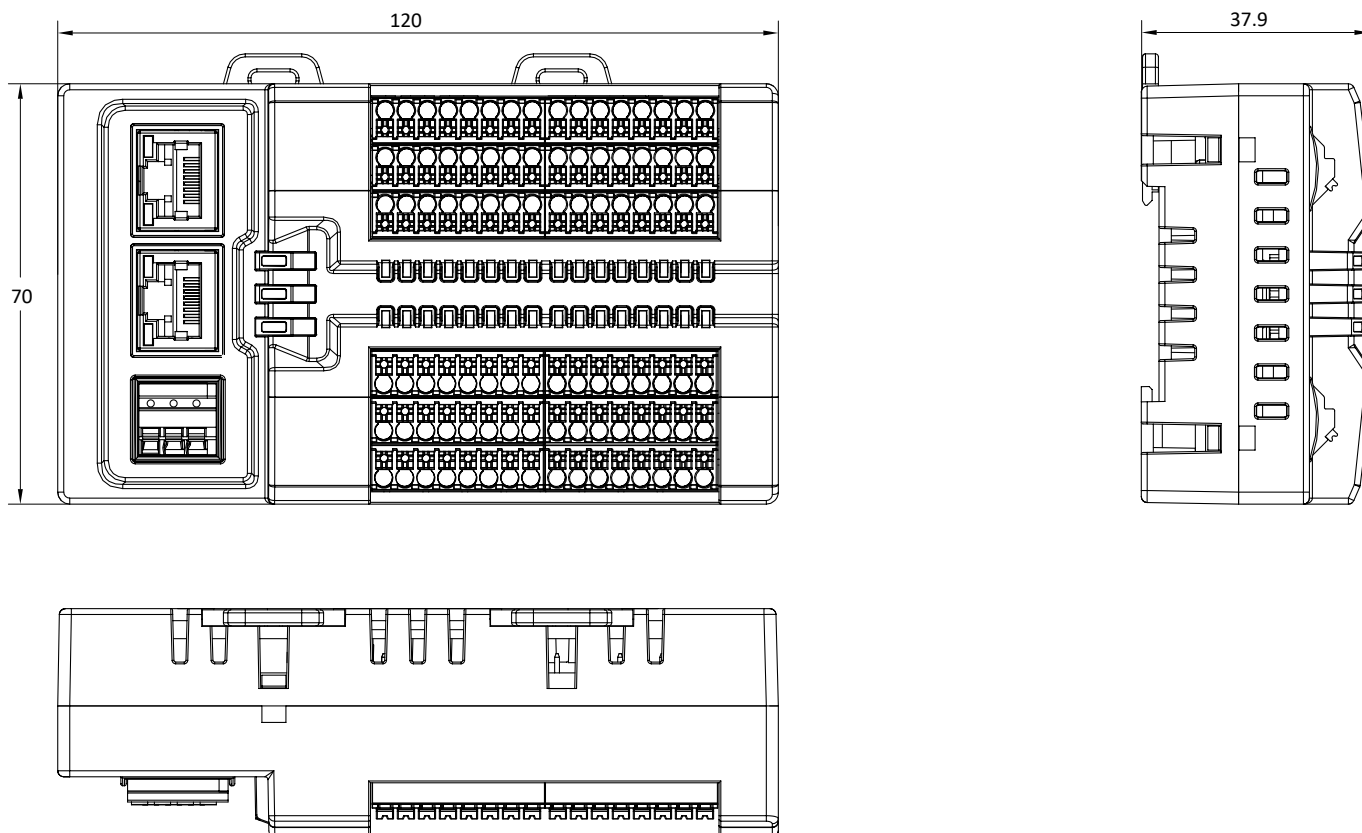
GENERAL DATA

| | | | |
|-------------------------|-----------|-------------------------------|--------------------|
| HOUSING MATERIAL | PPE | DIMENSIONS (H X W X D) | 70 x 120 x 37.9 mm |
| WEIGHT | 240 g | MTTF (25 °C) | 81 years |
| COLOR | Dark gray | APPROVALS | CE |

APPROVALS



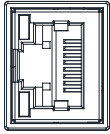
DIMENSIONS (mm)



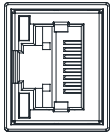
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TERMINAL DEFINITION

X1

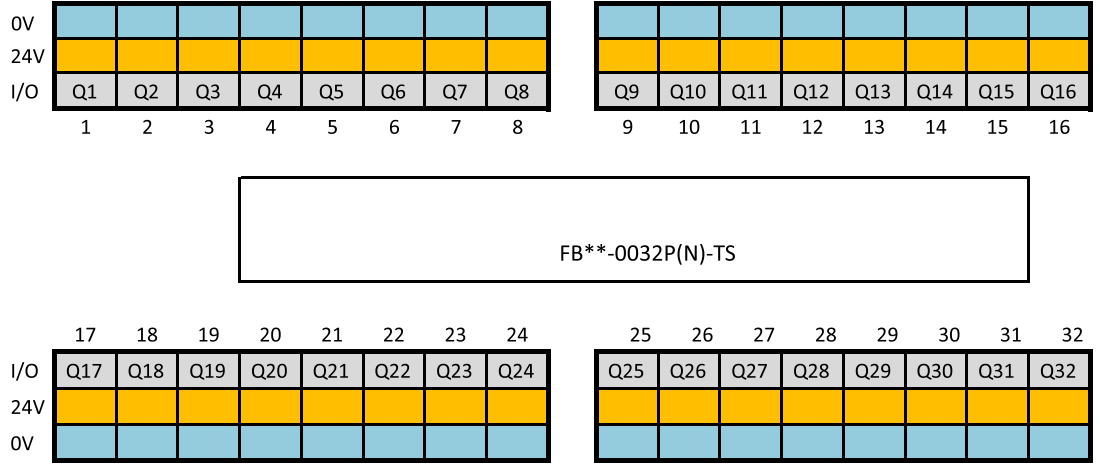


X2



24V+ GND PE

| | | |
|---|---|----|
| L | M | PE |
|---|---|----|



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