

FX20-DI-BF60

ARTICLE PROPERTIES

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|---------------------|--|--------------------------|-------------------------|
| PRODUCT TYPE | FX20 series modular I/O system digital input modules | PRODUCT GROUP | IP20 modular I/O system |
| DESCRIPTION | FX20-submodule 8-channel input PNP / NPN, 24 V DC, IP20, DIN rail installation | PU | 1 pcs |
| | | COUNTRY OF ORIGIN | CN |

TECHNICAL DATA

| | | | |
|---|----------------|----------------------------------|--|
| NUMBER OF DIGITAL INPUTS | 8 | INPUT FILTERING DELAY | 0 ms, 1 ms, 3 ms and 10 ms can be configured |
| INPUT TYPE | PNP / NPN | CURRENT CONSUMPTION (5 V) | 60 mA |
| INPUT SIGNAL '0' | 0 ... 5 V DC | PROCESS DATA LENGTH | 1 byte |
| INPUT SIGNAL '1' | 18 ... 30 V DC | FAULT DIAGNOSIS METHOD | LED, communication message |
| INPUT CURRENT PER CHANNEL FOR SIGNAL '1' | Typ. 4 mA | | |

CONNECTION DATA

| | | | |
|------------------------|---|-------------------------|-----------------------------------|
| 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-35 mm 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 |

GENERAL DATA

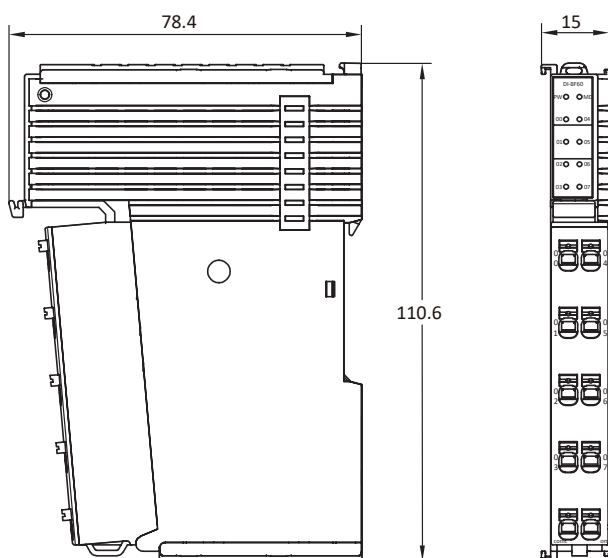
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|-------------------------|------------|-------------------------------|----------------------|
| HOUSING MATERIAL | PPE | DIMENSIONS (H X W X D) | 110.6 x 15 x 78.4 mm |
| WEIGHT | 63 g | MTTF (25 °C) | 155 years |
| COLOR | Light gray | APPROVALS | CE |

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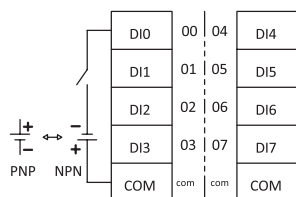
APPROVALS



DIMENSIONS



WIRING DIAGRAM



FX20-DI-BF60

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