Product data sheet Characteristics

TM171PFE03HR

Modicon M171 Performance Flush 3 I/Os RH, Modbus SL/TCP & BACnet MSTP and IP



Main

| Range of product | Modicon M171/M172 | |
|------------------------------|--|--|
| Product or component type | Programmable controllers | |
| Product specific application | HVAC and pumping solution | |
| Variant | Programmable | |
| Number of inputs/outputs | 3 | |
| Analogue input number | 1 analog input NTC (on board) 1 analog input NTC 1 relative humidity sensor (on board) | |

Complementary

| | | <u>8</u> |
|-------------------------------|--|--|
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| Main | | peci. |
| Range of product | Modicon M171/M172 | |
| Product or component type | Programmable controllers | ducts |
| Product specific application | HVAC and pumping solution | |
| Variant | Programmable | |
| Number of inputs/outputs | 3 | o |
| Analogue input number | 1 analog input NTC (on board) | ellei |
| | 1 analog input NTC | o > |
| | 1 relative humidity sensor (on board) | ab |
| | | suit |
| Complementary | | |
| Number of port | 1 CAN port - screw terminal block | etem |
| | 1 Ethernet - RJ45 (Modbus TCP and BACnet IP with webserver) | for d |
| | 1 RS485 - screw terminal block (Modbus serial link or BACnet MS/TP) 1 | pes |
| land to the state of a second | · · · · · · · · · · · · · · · · · · · | |
| Input/Output number | 3 analog input(s) | |
| Analogue input type | Humidity probe 0100 % RH - resolution: 0.01 % RH Temperature probe, NTC - 50110 °C - resolution: 0.1 °C (extended) | 2. <u>8</u> . |
| | Temperature probe, NTC - 30110 °C - resolution: 0.1 °C (extended) Temperature probe, NTC - 40150 °C - resolution: 0.1 °C | r an |
| [Us] rated supply voltage | 24 V AC/DC (+/- 20%) | |
| [03] rated supply voltage | 48 V DC (+/- 20%) | ıbstitu |
| Power consumption in W | 5 W at 2448 V AC/DC | sclaimer. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications |
| Realtime clock | Built-in realtime clock at -1055 °C | |
| Display type | LCD display - 128 x 64 pixels | |
| Overvoltage category | II | |
| Local signalling | 1 LED red programmable | |
| | 1 LED yellow programmable | enta |
| | 1 LED green programmable | |
| Mounting support | Flush mounting | <u></u> |
| Width | 160 mm | |
| Height | 96 mm | ai aime |
| | | |

| Depth | 10 mm |
|----------------|---------|
| Product weight | 0.35 kg |

Environment

| Directives | 2006/95/EC - low voltage directive 1907/2006/EC - REACH directive 2011/65/EU - RoHS directive 86/188/EEC - physical agents (noise) directive |
|---------------------------------------|---|
| Standards | EN/IEC 60730 |
| Product certifications | CE cURus CSA EAC |
| Ambient air temperature for operation | -1055 °C conforming to UL 60730-1 |
| Ambient air temperature for storage | -2085 °C |
| Relative humidity | 1090 % non-condensing |
| IP degree of protection | IP20 |
| Pollution degree | 2 |
| | |

Offer Sustainability

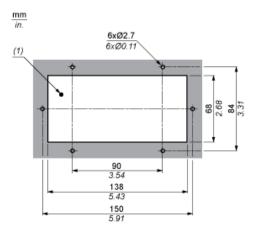
| Sustainable offer status | Not Green Premium product | |
|--------------------------|---|--|
| RoHS (date code: YYWW) | Compliant - since 1426 - Schneider Electric declaration of conformity | |
| | Schneider Electric declaration of conformity | |
| REACh | Reference not containing SVHC above the threshold | |
| | Reference not containing SVHC above the threshold | |

Product data sheet Mounting and Clearance

TM171PFE03HR

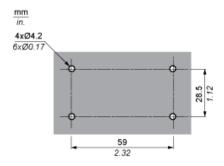
Mounting and Clearance

Panel Mounting



(1) Panel cut out

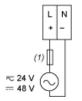
Wall Mounting



Product data sheet Connections and Schema

TM171PFE03HR

Power Supply

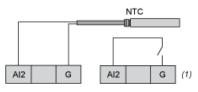


(1) Type T 630 mA fuse

Product data sheet Connections and Schema

TM171PFE03HR

Analog Inputs



(1) Digital input