

TERMINAL BLOCK TPRI 230V PUSH-IN TERM.

Connection module TPRI with relay 230 V AC, Output 8 NO contacts 24V DC/0.05 A Type: Push-in terminal with LED, VPE=1 unit 16 pole IDC connection for cable



target system
suitability for use
product type designation
product designation

SIMATIC S7-300 / 1500
Digital input module
Fully modular connection
Connection module

Operating data / header

| | |
|--|--|
| operating voltage | |
| • rated value | 50 V |
| • at AC / rated value | 230 V |
| current / rated value | 1 A |
| continuous current / at DC / per signal cable / maximum | 0.05 A |
| switching capacity current / of the contacts / with resistive load / maximum | 0.05 A; for 24V AC; recommended minimal load larger than 5mA |
| operating temperature | 0 ... 60 °C |
| ambient temperature | |
| • during operation | 0 ... 60 °C |
| • during storage | -40 ... +70 °C |
| number of terminal levels | 1 |
| number of terminal points / per terminal level | 1 |
| number of terminals | 20; 8 x I x 2; 2 x L+, 2 x M |
| type of connecting terminal | Push-In |
| type of electrical connection / for actuators and sensors | Push-In |
| position / of the terminal | Top |
| design of LED initiator/actuator terminal | Push-In |
| width of screwdriver blade | 3.5 mm |
| design of terminal / terminal levels internally linked | No |
| product component | |
| • PE connection | No |
| • shield connection | No |
| • disconnecter | No |
| • required / end cover plate | No |
| product function / infeed function | Yes |
| product feature / cross-connectable | No |
| relay design | For input signals |
| type of switching contact | Single contact, NO contact |
| number of relay outputs | 8 |
| mechanical service life (operating cycles) / typical | 10 000 000 |
| electrical endurance (operating cycles) / typical | 3 000 000; for AC 230 V/50 mA/Cos phi = 1 |
| operating frequency / maximum | 8.33 1/s |
| product component / protective wiring | No |
| number of cables / per connection | 2; Connection for internal system: Combination of 1 or 2 Wires until the sum total of cross sections be achieved in a ferrule. |
| type of connectable conductor cross-sections / solid | No |

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|---|--|
| connectable conductor cross-section | 0.2 ... 2.5 mm ² ; End sleeve according to DIN 46228/1 or DIN 46228/4 with plastic collar |
| <ul style="list-style-type: none"> • for flexible conductor / with core end processing | 0.2 ... 2.5 mm ² |
| <ul style="list-style-type: none"> • stranded | 0.2 ... 2.5 mm ² |
| <ul style="list-style-type: none"> • finely stranded / without core end processing | 0.2 ... 2.5 mm ² |
| <ul style="list-style-type: none"> • finely stranded / with core end processing | 0.2 ... 2.5 mm ² |
| number of poles / at the 1st interface | 16; the IDC connector for the connection cable |
| type of electrical connection / for connecting cable | Plug-in connection |
| number of the plug contacts / of the electrical connection | 1 |
| wire length / maximum | 30 m; between front connector module and Connection module |

General data / header

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|---|--------------------------------|
| mounting type | DIN rail 35 mm, DIN rail 15 mm |
| installation or assembly note | any |
| mounting position | any |
| degree of pollution | 2 |
| overvoltage category | 2 |
| combustibility class according to UL 94 | V1 |
| insulation material | other |
| design tested acc. to type of protection / EEx e | No |
| certificate of suitability / cULus approval | Yes |
| reference code / according to IEC 81346-2 | XG |
| color | |
| <ul style="list-style-type: none"> • of the enclosure | grey |
| <ul style="list-style-type: none"> • of the light source | other |
| length | 76 mm |
| height / of the enclosure | 76 mm |
| width / of the enclosure | 130 mm |
| depth / of the enclosure | 60 mm |
| height / with lowest-profile installation | 60 mm |
| net weight | 0.32 kg |

