

TERMINAL BLOCK TPRI 110V PUSH-IN TERM.  
 Connection module TPRI with relay 110 V AC, Output 8 NO contacts  
 24V DC/0.05 A Type: Push-in terminal with LED, VPE=1 unit 16 pole  
 IDC connector f. cable



|                          |                          |
|--------------------------|--------------------------|
| Target system            | SIMATIC S7-300 / 1500    |
| Suitability for use      | Digital input module     |
| Product type designation | Fully modular connection |
| Product designation      | Connection module        |

| Operating data   |  |
|--|--|
| Operating voltage  |  |
| • rated value  | 50 V   |
| • at AC / Rated value  | 110 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 / connection plate                              | No   |
| Product feature / 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 (switching cycles) / typical       | 10 000 000   |
| Electrical endurance (switching 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   |
| Connectable conductor cross-section                        |  |
| • for flexible conductor / with core end processing        | 0.2 ... 2.5 mm <sup>2</sup> ; End sleeve according to DIN 46228/1 or DIN 46228/4 with plastic collar                           |
| • stranded   | 0.2 ... 2.5 mm <sup>2</sup>  |
| • finely stranded / without core end processing            | 0.2 ... 2.5 mm <sup>2</sup>  |
| • finely stranded / with core end processing               | 0.2 ... 2.5 mm <sup>2</sup>  |
| 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

|                                    |                                |
|------------------------------------|--------------------------------|
| 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 acc. to UL 94 | V1                             |

|  |         |
|--|---------|
| Insulation material                              | other   |
| Design tested acc. to type of protection / EEx e | No      |
| Certificate of suitability / cULus approval      | Yes     |
| Equipment marking / acc. to DIN EN 81346-2       | X       |
| Color  |         |
| • of the enclosure                               | grey    |
| • 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 |