

TERMINAL BLOCK TP1 W. LED SCREW TERM.  
 Connection module TP1 8 channels u. 2x2 terminals f. Potential  
 supply Type: Screw terminal with LED, VPE=1 unit 16 pole IDC  
 connector f. cable



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

| Operating data  |                |
|---|----------------|
| Operating voltage                                       |                |
| • at DC / Rated value                                   | 24 V           |
| • rated value   | 50 V           |
| • at DC / maximum                                       | 24 V           |
| Current / rated value                                   | 1 A            |
| Continuous current / at DC / per signal cable / maximum | 1 A            |
| Total current / maximum                                 | 4 A            |
| 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  | 12; 8 x I/O; 2 x L+, 2 x M   |
| Type of connecting terminal                                | Screw-type terminal  |
| Type of electrical connection / for actuators and sensors  | Screw-type terminal  |
| Position / of the terminal                                 | Top  |
| Design of LED initiator/actuator terminal                  | Screw-type terminal  |
| Width of screwdriver blade                                 | 3.5 mm   |
| Tightening torque / with screw-type terminals              | 0.4 ... 0.5 N·m  |
| 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   |
| 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        | 0.5 ... 2.5 mm <sup>2</sup> ; End sleeve according to DIN 46228/1  |
| • stranded   | 0.5 ... 2.5 mm <sup>2</sup>  |
| • finely stranded / with core end processing               | 0.5 ... 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   | 58 mm                          |

|   |         |
|---|---------|
| Height / of the enclosure                 | 58 mm   |
| Width / of the enclosure                  | 40 mm   |
| Depth / of the enclosure                  | 50 mm   |
| Height / with lowest-profile installation | 50 mm   |
| Net weight                                | 0.08 kg |