



TERMINAL BLOCK TP1 W/O LED SCREW TERM.

Connection module TP1 8 channels u. 2x2 terminals f. Potential supply  
Type: Screw terminal without LED, VPE=1 unit 16 pole IDC connector f. cable

target system  
suitability for use  
product type designation  
product designation

SIMATIC S7-300 / 1500  
Digital I/O modules  
Fully modular connection  
Connection module

### Operating data / header

operating voltage	
• at DC / rated value	24 V
• rated value	50 V
• at DC / maximum	50 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 / end cover plate	No
product function / 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 / header

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	
• of the enclosure	grey
• of the light source	without
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

