SIEMENS

Data sheet



TERMINAL BLOCK TP1 W. LED PUSH-IN TERM.

Connection module TP1 8 channels u. 2x2 terminals f. Potential supply Type: Push-in terminal with LED, VPE=1 unit 16 pole IDC connector f. cable

Figure similar

target system	SIMATIC S7-300 / 1500	
suitability for use	Digital I/O modules	
product type designation	Fully modular connection	
product designation	Connection module	
electrical data		
operating voltage		
at DC / rated value	24 V	
rated value	24 V	
at DC / maximum	28.8 V	
ampacity / per pin / maximum	1 A	
continuous current / at DC / per signal cable / maximum	1 A	
total current / maximum	4 A	
display version / as status display of the inputs/outputs	LED yellow for "active high"	
display version / for power supply / power LED	Yes; green for 24 V DC O.K.	
product component / PE connection	No	
product component / shield connection	No	
product component / disconnector	No	
product function / infeed function	Yes	
product feature / cross-connectable	No	
connection method		
number of terminals	12; 8 x I/O; 2 x L+, 2 x M	
number of channels	8	
number of terminal levels	1	
type of connecting terminal	push-in	
position / of the terminal	Тор	
type of electrical connection / for connecting cable	Plug-in connection	
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.	
design of terminal / terminal levels internally linked	No	
type of connectable conductor cross-sections / solid	No	
connectable conductor cross-section		
• for flexible conductor / with core end processing	0.2 2.5 mm²; End sleeve according to DIN 46228/1 or DIN 46228/4 with plastic collar	
• stranded	0.2 2.5 mm²	
• finely stranded / without core end processing	0.2 2.5 mm²	
• finely stranded / with core end processing	0.2 2.5 mm²	
number of poles / at the 1st interface	16; IDC connector with installed strain relief for the connecting cable	
number of the plug contacts / of the electrical connection	1	
wire length / maximum	30 m; between front connector module and Connection module	
width of screwdriver blade	3.5 mm	

standards, specifications, approvals					
certificate of suitability					
cULus approval	Yes				
design tested acc. to type of protection / EEx e	No				
overvoltage category	2				
degree of pollution	2				
combustibility class according to UL 94	V1				
standards, specifications, approvals / Environmental Product	Declaration				
Environmental Product Declaration	Yes				
Global Warming Potential [CO2 eq]					
• total	25.1 kg				
during manufacturing	0.4 kg	· · · · · ·			
 during operation 	24.6 kg				
after end of life	0.04 kg				
ambient conditions					
ambient temperature					
during operation	0 60 °C				
during storage	-40 +70 °C				
mechanical data					
width × height × depth	40 mm × 58 mm × 50 mm				
mounting type	DIN rail 35 mm, DIN rail 15 mm				
mounting position	any				
height / with lowest-profile installation	50 mm				
net weight	0.05 kg				
insulation material	other				
color					
of the enclosure	grey				
of the light source	other				
product component / required / end cover plate	No				
further information / internet links					
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Approvals / Certificates

General Product Approval EMV Environment

Manufacturer Declaration









last modified: 1/18/2025 🖸