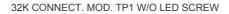
SIEMENS

Data sheet



Connection module TP1 32 channels a. 4x2 terminals f. Potential supply Type: Screw terminal without LED, VPE=1 unit 50 pole IDC connector f. cable



Digital I/O modules	
Fully modular connection	
Connection module	
24 V	
50 V	
50 V	
1 A	
1 A	
2 A	
Yes	
No	
No	
No	
No	
48; 32 x I/O; 8 x L+, 8 x M	
32	
Screw-type terminal	
Тор	
1	
No	
Plug-in connection	
50; IDC connector with installed strain relief for the connecting cable	
1	
30 m; between front connector module and Connection module	
No	
0.5 2.5 mm²; End sleeve according to DIN 46228/1	
0.5 2.5 mm²	
0.5 2.5 mm²	
2; Connection for internal system: Combination of 1 or 2 Wires until the sum total of cross sections be achieved in a ferrule.	
3.5 mm	
0.4 0.5 N·m	

SIMATIC S7-1500

• cULus approval	Yes		
• IECEx	Yes		
• ATEX	Yes		
ULhazloc approval	Yes		
• UKEX	Yes		
 CCC / for hazardous zone according to GB standard 	Yes		
design tested acc. to type of protection / EEx e	Yes		
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	90.3 kg		
 during manufacturing 	2.5 kg		
 during operation 	87.5 kg		
after end of life	0.23 kg		
ambient conditions			
ambient temperature			
during operation	0 60 °C		
during storage	-40 +70 °C		
mechanical data			
width × height × depth	100 mm × 76 mm × 60 mm		
mounting type	DIN rail 35 mm, DIN rail 15 mm	1	
mounting position	any		
height / with lowest-profile installation	60 mm		
net weight	0.31 kg		
insulation material	other		
color			
• of the enclosure	grey		
• of the light source	without		
product component / required / end cover plate	No		
further information / internet links			
internet link			
• to website: Industry Mall	https://mall.industry.siemens.co	<u>om</u>	
• to web page: selection aid TIA Selection Tool	https://www.siemens.com/tstclo	<u>oud</u>	
to web page: system cabling	https://siemens.com/simatic-top	o-connect	
• to website: CAx-Download-Manager	https://siemens.com/cax		
• to website: Industry Online Support	https://support.industry.siemens	s.com	
additional information			
other information	Specifications at rated input vol otherwise specified)	tage and ambient temper	rature +25 °C (unless
marketing text	The TP1 connection module for a 1-wire connection with 32 channels and a potential connection with screw terminals without LED for signalling forms the interface between the connection cables of the peripherals coming from the field and the SIMATIC S7. This is mounted on the DIN rail and is exactly adapted to the respective task thanks to its functionality with screw terminals. This connection module is part of the fully modular SIMATIC TOP connect connection for the fastest and safest system cabling. In addition to low wiring costs, error sources in cabling can be significantly reduced. Sensors and actuators from the peripherals are combined with the connection modules of SIMATIC TOP connect and connected to the SIMATIC S7-300/1500 via cable and front plug-in module.		
Classifications			
		Version	Classification
	-01		
	eClass	14	27-25-01-12
	eClass	12	27-14-11-28
	eClass	9.1	27-14-11-28

eClass	14	27-25-01-12	
eClass	12	27-14-11-28	
eClass	9.1	27-14-11-28	
eClass	9	27-14-11-28	
eClass	8	27-14-11-28	
eClass	7.1	27-14-11-28	
eClass	6	27-14-11-28	
			_

ETIM	10	EC000900
ETIM	9	EC000900
ETIM	8	EC000900
ETIM	7	EC000900
UNSPSC	15	39-12-14-10

Approvals / Certificates

General Product Approval

For use in hazardous locations

Manufacturer Declaration Declaration of Conformity









For use in hazardous locations

Environment

CCC-Ex





last modified:

4/9/2025