SIEMENS

Data sheet

6ES7924-0AA20-0BA0

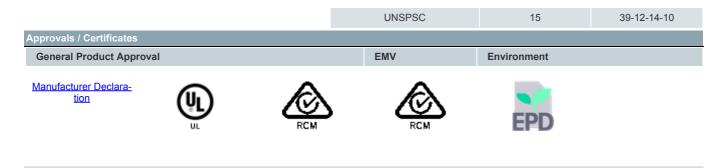


TERMINAL BLOCK TP1 W. LED SCREW TERM.

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		
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	Screw-type terminal		
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 	0.5 2.5 mm ² ; End sleeve according to DIN 46228/1		
stranded	0.5 2.5 mm²		
 finely stranded / with core end processing 	0.5 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		
tightening torque	0.4 0.5 N·m		
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 Produc					
Environmental Product Declaration	Yes	Yes			
Global Warming Potential [CO2 eq]					
• total	-	25.3 kg			
during manufacturing	-	0.6 kg			
during operation	č	24.6 kg			
after end of life	0.06 kg				
ambient conditions		_	_		
ambient temperature	000%0				
during operation		060 °C			
during storage	-40 +70 C	-40 +70 °C			
mechanical data	40 mm x 59 mm x 50 mm				
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	0.08 kg				
color	ouiei	other			
of the enclosure	arev				
of the light source	other	grey			
product component / required / end cover plate	No				
further information / internet links	NO				
internet link					
to website: Industry Mall	https://mall.industry.siemens.co	https://mall.industry.siemens.com			
 to web page: selection aid TIA Selection Tool 	https://www.siemens.com/tstcloud				
 to web page: system cabling 		https://siemens.com/simatic-top-connect			
• to website: CAx-Download-Manager	https://siemens.com/cax				
to website: Industry Online Support	https://support.industry.siemens.com				
additional information					
other information	Specifications at rated input vo	Itage and ambient temper	ature +25 °C (unless		
	otherwise specified)	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)			
marketing text	The TP1 connection module for a 1-wire connection with 8 channels and a potential connection with screw terminals and 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.				
Glassifications					
		Version	Classification		
	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	9	EC000900		
	ETIM	8	EC000900		
	ETIM	7	EC000900		
			_000000		



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