

50IDC TERM. BL. TPA PUSH-IN TERM.S7-1500

Connection module TPA 3-tier for analog Modules of the SIMATIC S7-1500 Type:  
Push-in terminal without LED, VPE=1 unit 50 pole IDC connector for cable



Figure similar

target system	SIMATIC S7-1500
suitability for use	Analog I/O modules
product type designation	Fully modular connection
product designation	Connection module
<b>electrical data</b>	
operating voltage	
• at DC / rated value	24 V
• rated value	50 V
• at DC / maximum	50 V
ampacity / per pin / maximum	1 A
continuous current / at DC / per signal cable / maximum	1 A
product function / infeed function	Yes
product component	
• PE connection	No
• shield connection	No
• disconnecter	No
product feature / cross-connectable	No
<b>connection method</b>	
number of terminals	72; Intended for analog
type of connecting terminal	push-in
position / of the terminal	Top
number of terminal levels	1
design of terminal / terminal levels internally linked	No
type of electrical connection / for connecting cable	Plug-in connection
number of poles / at the 1st interface	50; 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
type of connectable conductor cross-sections / solid	No
connectable conductor cross-section	
• for flexible conductor / with core end processing	0.2 ... 2.5 mm <sup>2</sup> ; End sleeve according to DIN 46228/1 or DIN 46228/4 with plastic collar
• stranded	0.2 ... 2.5 mm <sup>2</sup>
• finely stranded / without core end processing	0.2 ... 2.5 mm <sup>2</sup>
• finely stranded / with core end processing	0.2 ... 2.5 mm <sup>2</sup>
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.
width of screwdriver blade	3.5 mm
<b>standards, specifications, approvals</b>	
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	89.7 kg		
• during manufacturing	2 kg		
• during operation	87.5 kg		
• after end of life	0.19 kg		
ambient conditions			
ambient temperature			
• during operation	0 ... 60 °C		
• during storage	-40 ... +70 °C		
mechanical data			
width × height × depth	130 mm × 76 mm × 60 mm		
mounting type	DIN rail 35 mm, DIN rail 15 mm		
mounting position	any		
height / with lowest-profile installation	60 mm		
net weight	0.27 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	<a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a>		
• to web page: selection aid TIA Selection Tool	<a href="https://www.siemens.com/tstcloud">https://www.siemens.com/tstcloud</a>		
• to web page: system cabling	<a href="https://siemens.com/simatic-top-connect">https://siemens.com/simatic-top-connect</a>		
• to website: CAx-Download-Manager	<a href="https://siemens.com/cax">https://siemens.com/cax</a>		
• to website: Industry Online Support	<a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>		
additional information			
other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)		
marketing text	The TPA connection module for analog modules with push-in terminals for 50-pin connecting cables without LED for signalling forms the interface between the connecting cables of the peripherals brought in from the field and the SIMATIC S7-1500. This is mounted on the DIN rail and, thanks to its functionality with push-in terminals, is exactly adapted to the respective task. 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 S7-1500 via cable and front plug-in module.		
Classifications			
		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	10	EC000900
	ETIM	9	EC000900
	ETIM	8	EC000900
	ETIM	7	EC000900
	UNSPSC	15	39-12-14-10

General Product Approval	Environment
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[Declaration of Con-  
formity](#)

[Manufacturer Declara-  
tion](#)



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