Data sheet

50IDC TERM. BL. TPA SCREW TERM. S7-1500

Connection module TPA 3-tier for analog Modules of the SIMATIC S7-1500 Type: Screw 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		
electrical data			
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		
disconnector	No		
product feature / cross-connectable	No		
connection method			
number of terminals	72; Intended for analog		
type of connecting terminal	Screw-type terminal		
position / of the terminal	Тор		
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 	0.5 2.5 mm²; 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 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		
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	2			
combustibility class according to UL 94	V1				
standards, specifications, approvals / Environmental Product [Declaration				
Environmental Product Declaration	Yes				
global warming potential [CO2 eq]					
• total	91.2 kg				
during manufacturing	3.3 kg				
during operation	87.5 kg				
after end of life	0.31 kg				
ambient conditions					
ambient temperature					
during operation	0 60 °C	0 60 °C			
during storage	-40 +70 °C	-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	0.41 kg				
insulation material	other	*			
color	50101				
of the enclosure	grey				
of the light source	without				
product component / required / end cover plate	No				
further information / internet links	140				
internet link					
	https://mall.industry.sigmons.or	am.			
to website: Industry Mall to web page: collection aid TIA Selection Tool	https://mall.industry.siemens.com https://www.siemens.com/tstcloud				
to web page: selection aid TIA Selection Tool to web page: system pebling					
to web page: system cabling to website: CAx Developed Manager	https://siemens.com/simatic-top-connect				
to website: CAx-Download-Manager to website: Industry Online Support	https://siemens.com/cax				
to website: Industry Online Support additional information	https://support.industry.siemens	<u>s.com</u>			
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Approvals / Certificates

General Product Approval

Environment

Declaration of Conformity

Manufacturer Declara-tion





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