SIEMENS

Data sheet



32K CONNECT. MOD. TP1 W/O LED PUSH-IN

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



Figure similar

target system

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	50 V		
• at DC / maximum	50 V		
ampacity / per pin / maximum	1 A		
continuous current / at DC / per signal cable / maximum	1 A		
total current / maximum	2 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	48; 32 x I/O; 8 x L+, 8 x M		
number of channels	32		
type of connecting terminal	push-in		
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	0.2 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 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	total of cross sections be achieved in a ferrule. 3.5 mm		

SIMATIC S7-1500

ambient temperature • during operation • during storage • du +70 °C mochanical data width × height × depth mounting type mounting position net weight linsulation material color of the enclosure • of the enclosure • of the light source of the light source without rot website: Industry Mall • to website: Industry Mall • to web page: selection aid TIA Selection Tool • to web site: CAx-Download-Manager • to website: CAx-Download-Manager • to website: Industry Online Support without Thermation other information other information information other information other information information other information other information other information other information information other information other information other information other information other information other information information o		_				
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2 2 3 3 3 3 3 3 3 3	CCC / for hazardous zone according to GB standard	Yes	Yes			
degree of pollution 2	design tested acc. to type of protection / EEx e	Yes				
March Mar	overvoltage category	2				
Environmental Product Declaration Environmental Product Declaration Yes Seglobal warning potential (CO2 eq)	degree of pollution	2				
Environmental Product Declaration global warming potential (COZ eq) • total during manufacturing • funding to solid time to declaration • during operation • after end of life • during operation • during storage • during operation • during storage • during storage • during storage • during storage • during storage • during storage • during storage • during storage • during storage • during storage • during storage • during storage • during storage • during storage • during storage • during storage • of the enclosure • of the light source grey • different information / internet links *** ***Internet links *** *** ***Internet links *** *** *** *** *** *** ***	combustibility class according to UL 94	V1				
solidation September Sep	standards, specifications, approvals / Environmental Product	Declaration				
total 89.4 kg 1.7 kg	Environmental Product Declaration	Yes				
during manufacturing during operation defermed of life defermed of life defermed of life during operation during operation operation during operation	global warming potential [CO2 eq]					
• during operation ### After end of life ### Suffer end of life ##	• total	89.4 kg				
• after end of life ambient temperature • during operation • during storage • 40 +70 °C ***********************************	during manufacturing	1.7 kg				
ambient temperature • during operation • during storage 40 470 °C	during operation	87.5 kg	87.5 kg			
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eClass	6	27-14-11-28
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

Declaration of Conformity

Manufacturer Declara-tion









For use in hazardous locations

Environment

CCC-Ex





last modified:

4/9/2025

