SIEMENS

Data sheet

6ES7924-0CH20-0BC0



Connection module TP3 with isolating terminal per channel 8 channels and 2x10 terminals for Potential supply Type: Push-in terminal with LED, VPE=1 unit 16 pole IDC connector f. cable



Figure similar

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	Yes
product function / infeed function	Yes
product feature / cross-connectable	No
connection method	
number of terminals	28; 8 x I/O; 10 x L+, 10 x M
number of channels	8
number of terminal levels	1
type of connecting terminal	push-in
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	0.2 2.5 mm²; End sleeve according to DIN 46228/1 or DIN 46228/4 with plastic collar
stranded	0.2 2.5 mm ²
 finely stranded / without core end processing 	0.2 2.5 mm ²
finely stranded / with core end processing	0.2 2.5 mm ²
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

certificate of suitability • cULus approval design tested acc. to type of protection / EEx e overvoltage category degree of pollution combustibility class according to UL 94 standards, specifications, approvals / Environmental Product Declaration Environmental Product Declaration Yes Global Warming Potential [CO2 eq] • total • during manufacturing • during operation • after end of life outside temperature • during operation • during storage ambient temperature • during storage width × height × depth mounting type mounting position height / with lowest-profile installation Yes One over the sum of		
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mounting type DIN rail 35 mm, DIN rail 15 mm mounting position any		
mounting position any		
neight / with lowest-profile installation 60 mm		
0.401		
net weight 0.18 kg		
insulation material other		
color		
• of the enclosure grey		
• of the light source other		
product component / required / end cover plate No		
further information / internet links		
internet link		
• to website: Industry Mall 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 voltage and ambient temper otherwise specified)	rature +25 °C (unless	
potential connection with push-in terminals, dip switches signals and LEDs for signalling forms the interface betwee cables of the peripherals and the SIMATIC S7 that come is mounted on the DIN rail and, thanks to its functionality is precisely adapted to the respective task. This connect the fully modular SIMATIC TOP connect connection for it system cabling. In addition to low wiring costs, error sou significantly reduced. Sensors and actuators from the pewith the connection modules of SIMATIC TOP connect as	The TP3s connection module for a 3-wire connection with 8 channels and potential connection with push-in terminals, dip switches for separating the signals and LEDs for signalling forms the interface between the connection cables of the peripherals and the SIMATIC S7 that come in from the field. This is mounted on the DIN rail and, thanks to its functionality with push-in terminals, is precisely 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 S7-300/1500 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 9	EC000900	

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

Approvals / Certificates

General Product Approval EMV Environment

Declaration of Conformity

Manufacturer Declaration









last modified:

1/18/2025