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Data sheet 6ES7924-2CA20-0AC0

32K TERM. BL. TPI W/O LED PUSH-IN TERM.
Connection module TP3 32 channels a. 2x33 terminals f. Potential supply Type: Push-in terminal without LED, VPE=1 unit 50 pole IDC connector for cable



Target system	SIMATIC S7-1500
Suitability for use	Digital I/O modules
Product type designation	Fully modular connection
Product designation	Connection module

Operating data	
Operating voltage	
• at DC / Rated value	24 V
• rated value	50 V
• at DC / maximum	50 V
Current / rated value	1 A
Continuous current / at DC / per signal cable / maximum	1 A
Total current / maximum	2 A
Operating temperature	0 ... 60 °C
Ambient temperature	
• during operation	0 ... 60 °C
• during storage	-40 ... +70 °C
Number of terminal levels	1
Number of terminal points / per terminal level	1

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Number of terminals	98; 32 x I/O; 33 x L+, 33 x M
Type of connecting terminal	Push-In
Type of electrical connection / for actuators and sensors	Push-In
Position / of the terminal	Top
Design of LED initiator/actuator terminal	Push-In
Width of screwdriver blade	3.5 mm
Design of terminal / Terminal levels internally linked	No
Product component	
• PE connection	No
• Shield connection	No
• Disconnector	No
• required / connection plate	No
Product feature / Infeed function	Yes
Product feature / cross-connectable	No
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.
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 poles / at the 1st interface	50; the IDC connector for the connection cable
Type of electrical connection / for connecting cable	Plug-in connection
number of the plug contacts / of the electrical connection	1
Wire length / maximum	30 m; between front connector module and Connection module

General data	
Mounting type	DIN rail 35 mm, DIN rail 15 mm
Installation or assembly note	any
Mounting position	any
Degree of pollution	2
Overvoltage category	2
Combustibility class acc. to UL 94	V1
Insulation material	other
Design tested acc. to type of protection / EEx e	No
Certificate of suitability / cULus approval	Yes
Equipment marking / acc. to DIN EN 81346-2	X
Color	
• of the enclosure	grey
• of the light source	without

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Length	76 mm
Height / of the enclosure	76 mm
Width / of the enclosure	175 mm
Depth / of the enclosure	60 mm
Height / with lowest-profile installation	60 mm
Net weight	0.34 kg

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