SIEMENS

Data sheet 6ES7924-0BF20-0BC0

TERM. BLOCK TPOO W. LED PUSH-IN TERM.
Connection module TPOO with optocoupler 24 VDC, Output 8 NO contacts 24V DC/4 A Overload and short circuit-proof, with LED Push-in terminal VPE = 1 unit 16 pole IDC connector f. cable



Figure similar

Target system	SIMATIC S7-300 / 1500
Suitability for use	Digital output module
Product type designation	Fully modular connection
Product designation	Connection module

Operating data	
Operating voltage	
• at DC / Rated value	24 V; for coil
• rated value	50 V
• at DC / maximum	28.8 V
• at AC / Rated value	for coil
Current / rated value	1 A
Continuous current / at DC / per signal cable / maximum	4 A
Total current / maximum	32 A; any, except overhead; voltage feed each group of four max. 16A
Switching capacity current / of the contacts / with resistive load / maximum	4 A; for 24V DC
Operating temperature	0 ... 60 °C

Subject to change without notice
© Copyright Siemens

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
Number of terminals	22; 8 x O; 2 x L+, 2 x M; 10 x special terminals
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
Type of switching contact	Optocoupler
Operating frequency / maximum	500 1/s
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	16; 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, head excepted
Mounting position	any
Degree of pollution	2
Overvoltage category	2
Combustibility class acc. to UL 94	V1

Subject to change without notice
© Copyright Siemens

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	other
Length	76 mm
Height / of the enclosure	76 mm
Width / of the enclosure	130 mm
Depth / of the enclosure	60 mm
Height / with lowest-profile installation	60 mm
Net weight	0.25 kg

Subject to change without notice
© Copyright Siemens