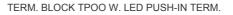
## **SIEMENS**

## **Data sheet**

## 6ES7924-0BF20-0BC0



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			
electrical data				
operating voltage				
<ul><li>at DC / rated value</li></ul>	24 V; for coil			
rated value	24 V			
at DC / maximum	28.8 V			
ampacity / per pin / maximum	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			
type of switching contact	Optocoupler			
operating frequency / maximum	500 1/s			
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	No			
product function / infeed function	Yes			
product feature / cross-connectable	No			
connection method				
number of terminals	22; 8 x O; 2 x L+, 2 x M; 10 x special terminals			
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			
<ul><li>stranded</li></ul>	0.2 2.5 mm²			
<ul> <li>finely stranded / without core end processing</li> </ul>	0.2 2.5 mm²			
<ul> <li>finely stranded / with core end processing</li> </ul>	0.2 2.5 mm²			

number of poles / at the 1st interface	16; IDC connector with installed	d strain relief for the conne	ecting cable	
number of poles / at the 1st interface	1	a strain relief for the confid	ecting cable	
wire length / maximum	30 m; between front connector	module and Connection r	nodule	
width of screwdriver blade	3.5 mm			
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			
combustibility class according to UL 94	V1			
standards, specifications, approvals / Environmental Produc	t Declaration			
Environmental Product Declaration	Yes			
Global Warming Potential [CO2 eq]				
• total	286.2 kg	286.2 kg		
during manufacturing	1.6 kg			
during operation	284.4 kg			
after end of life	0.15 kg			
ambient conditions				
ambient temperature				
during operation	0 60 °C	0 · 00 °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	DIN rail 35 mm, DIN rail 15 mm		
mounting position	any	any		
height / with lowest-profile installation	60 mm	60 mm		
net weight	0.25 kg	0.25 kg		
insulation material	other			
color				
• of the enclosure	grey			
of the light source	other	other		
product component / required / end cover plate	No			
further information / internet links				
internet link				
to website: Industry Mall	https://mall.industry.siemens.co	https://mall.industry.siemens.com		
<ul> <li>to web page: selection aid TIA Selection Tool</li> </ul>	https://www.siemens.com/tstclo	<u>oud</u>		
<ul><li>to web page: system cabling</li></ul>	https://siemens.com/simatic-top	https://siemens.com/simatic-top-connect		
<ul><li>to website: CAx-Download-Manager</li></ul>	https://siemens.com/cax			
• to website: Industry Online Support	https://support.industry.siemens	s.com		
additional information				
other information	Specifications at rated input vol otherwise specified)	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)		
marketing text	(24VDC) for the connection of 8 adaption/isolation, contact designaterminals and LED for signalling cables of the peripherals supplimounted on the DIN rail and, the precisely adapted to the respectfully modular SIMATIC TOP consystem cabling. In addition to losignificantly reduced. Sensors a with the connection modules of	The TPOo connection module with optocoupler and potential feed terminals (24VDC) for the connection of 8 digital outputs (24VDC) for potential adaption/isolation, contact designed as normally open contact, with push-in terminals and LED for signalling forms the interface between the connection cables of the peripherals supplied from the field and the SIMATIC S7. 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	
	01	14	27-25-01-12	
	eClass			
		12	27_1/_11 28	
	eClass	12	27-14-11-28	
	eClass eClass	9.1	27-14-11-28	
	eClass			

eClass	7.1	27-14-11-28
eClass	6	27-14-11-28
ETIM	9	EC000900
ETIM	8	EC000900
ETIM	7	EC000900
UNSPSC	15	39-12-23-31

Approvals / Certificates

General Product Approval EMV Environment

Manufacturer Declaration









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