SIEMENS

Data sheet 6ES7922-5BD20-0HB0



S7-1500 FRONTCONN. 20 CORES HALOFR 3.2M

Front connector for SIMATIC S7-1500 40 pole (6ES7592-1AM00-0XB0) with 20 single cores 0.5 mm2 (1-20) Core type H05Z-K (halogen-free) Screw version L = 3.2 m

Technical Product Detail Page	https://i.siemens.com/1P6ES7922-5BD20-0HB0
target system	SIMATIC S7-1500
suitability for use	Digital I/O modules
suitability for interaction	
● input card PLC	Yes
● PLC output card	Yes
suitability for use	
● digital signal transmission	Yes
● analog signal transmission	No
product brand name	SIMATIC Top connect
product type designation	Flexible connection
product designation	Front connector with single cores
electrical data	
operating voltage / at DC	
● rated value	24 V
● maximum	30 V
continuous current / with simultaneous load on all cores / at DC / maximum permissible	1.5 A
type of electrical connection	
● in the field	other
● on enclosure	Screw-type terminal
connection method	
connector type	6ES7592-1AM00-0XB0
type of connecting terminal	Screw-type terminal
wire length	3.2 m
number of channels	20
number of poles	40; of the front connector
marking / of cores	Number consecutively from 1 to 20 in white adapter contact = core number
standards, specifications, approvals	
certificate of suitability / cULus approval	No
ambient conditions	
ambient temperature	
● during operation	0 ... 60 °C
● during storage	-15 ... +60 °C
mechanical data	
design of cable	H05Z-K
material / of the connection cable sheath	Polyolefin basis halogen-free
color / of cable sheath	blue
RAL color number	RAL 5010

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conductor cross section / rated value	0.5 mm²
outer diameter / of cable sheath	2.2 mm; of the cable
net weight	0.94 kg
further information / internet links	
internet link / to website: Industry Mall	https://mall.industry.siemens.com
internet link / to web page: selection aid TIA Selection Tool	https://www.siemens.com/tstcloud
internet link / to web page: system cabling	https://siemens.com/simatic-top-connect
internet link / to website: CAx-Download-Manager	https://siemens.com/cax
internet link / to website: Industry Online Support	https://support.industry.siemens.com
additional information	
other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)
marketing text	The pre-assembled 40-pole front connector with 20 single wires of the type halogen-free, conductor cross-section 0.5qmm, with a length of 3.2m in screw version is intended for connection to a digital I/O module of the SIMATIC S7-1500. This is plugged onto the module to be wired instead of the front connector. This allows the signals of the digital I/O module to be easily connected to the elements to be wired via the numbered individual wires.This front connector with single wires is part of the flexible connection of SIMATIC TOP connect for the fastest and safest system cabling. In addition to a 50% lower wiring effort, sources of errors in cabling can be significantly reduced.

Classifications

	Version	Classification
eClass	16	27-24-22-20
eClass	14	27-24-22-20
eClass	12	27-24-22-20
eClass	9.1	27-24-22-20
eClass	9	27-24-22-20
eClass	8	27-24-92-05
eClass	7.1	27-24-92-05
eClass	6	27-24-92-05
ETIM	10	EC000237
ETIM	9	EC000237
ETIM	8	EC000237
ETIM	7	EC000237
IDEA	4	3553
UNSPSC	15	32-15-17-03

Approvals / Certificates

General Product Approval

Declaration of Conformity	Manufacturer Declaration	China RoHS	Manufacturer Declaration

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