



S7-1500 FRONTCONN. 20 CORES UL/CSA 5.0 M

Front connector for SIMATIC S7-1500 40 pole (6ES7592-1AM00-0XB0) with 20 single cores 0.5 mm<sup>2</sup> (1-20) Core type UL/SCA certified Screw version L = 5.0 m

Technical Product Detail Page	<a href="https://i.siemens.com/1P6ES7922-5BF00-0UB0">https://i.siemens.com/1P6ES7922-5BF00-0UB0</a>
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 type designation	Flexible connection
product designation	Front connector with single cores
<b>electrical data</b>	
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
<b>connection method</b>	
connector type	<a href="#">6ES7592-1AM00-0XB0</a>
type of connecting terminal	Screw-type terminal
wire length	5 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
<b>standards, specifications, approvals</b>	
certificate of suitability / cULus approval	No
<b>ambient conditions</b>	
ambient temperature	
• during operation	0 ... 60 °C
• during storage	-30 ... +70 °C
<b>mechanical data</b>	
design of cable	Multi norm braid
material / of the connection cable sheath	PVC
color / of cable sheath	blue
RAL color number	RAL 5010
conductor cross section / rated value	0.5 mm <sup>2</sup>

outer diameter / of cable sheath	2.2 mm; of the cable
net weight	1.22 kg
further information / internet links	
internet link / to website: Industry Mall	<a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a>
internet link / to web page: selection aid TIA Selection Tool	<a href="https://www.siemens.com/tstcloud">https://www.siemens.com/tstcloud</a>
internet link / to web page: system cabling	<a href="https://siemens.com/simatic-top-connect">https://siemens.com/simatic-top-connect</a>
internet link / to website: CAx-Download-Manager	<a href="https://siemens.com/cax">https://siemens.com/cax</a>
internet link / to website: Industry Online Support	<a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>
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 UL/CSA type wires, conductor cross-section 0.5qmm, with a length of 5.0m 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	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](#)

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