



S7-1500 FRONTCON. 40CORES HALOG.-FR 8.0M

Front connector for SIMATIC S7-1500 40 pole (6ES7592-1AM00-0XB0) with 40 single cores 0.5 mm<sup>2</sup> Core type H05Z-K (halogen-free) Screw version L = 8.0 m

Technical Product Detail Page	<a href="https://i.siemens.com/1P6ES7922-5BJ00-0HC0">https://i.siemens.com/1P6ES7922-5BJ00-0HC0</a>
target system	SIMATIC S7-1500
suitability for use	Digital I/O modules
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
type of electrical connection	
• in the field	other
• on enclosure	Screw-type terminal
continuous current / with simultaneous load on all cores / at DC / maximum permissible	1.5 A
<b>connection method</b>	
connector type	<a href="#">6ES7592-1AM00-0XB0</a>
wire length	8 m
type of connecting terminal	Screw-type terminal
number of channels	40
number of poles	40; of the front connector
marking / of cores	Number consecutively from 1 to 40 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	-15 ... +60 °C
<b>mechanical data</b>	
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
outer diameter / of cable sheath	2.2 mm; bundled single cores
conductor cross section / rated value	0.5 mm <sup>2</sup>
net weight	3.39 kg
<b>additional information</b>	
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>
<b>further information / internet links</b>	
suitability for interaction	
• input card PLC	Yes
• PLC output card	Yes
suitability for use	
• digital signal transmission	Yes
• analog signal transmission	No
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 40 single wires of the type halogen-free, conductor cross-section 0.5qmm, with a length of 8.0m 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](#)

last modified:

11/14/2025 