MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Reference package for procurement and maintenance review

SIEMENS

6ES7592-1AM00-0XB0

40-POLE SCREW-TYPE FRONT CONNECTOR

Used with the applicable SIMATIC S7-1500 configuration.

REFERENCE PACKAGE

OFFICIAL DOCUMENT

Selected official manufacturer pages follow this cover.

Source: Siemens manufacturer documentation

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Data sheet 6ES7592-1AM00-0XB0



SIMATIC S7-1500, Front connector Screw-type connection system, 40-pole for 35 mm wide modules incl. 4 potential bridges, and cable ties

General information	
Product type designation	Front connector
connection method	
Connection I/O signals	
● Connection method	Screw terminals
● Number of lines per connection	1; or combination of 2 conductors of up to 1.5 mm² (total) in a shared ferrule
Conductor cross-section in mm²	
— Connectable cable cross-sections for massive cables, min.	0.25 mm²
— Connectable cable cross-sections for massive cables, min.	1.5 mm²
— Connectable cable cross-sections for flexible cables without end sleeve, min.	0.25 mm²
— Connectable cable cross-sections for flexible cables without end sleeve, max.	1.5 mm²
— Connectable cable cross-sections for flexible cables with end sleeve, min.	0.25 mm²
— Connectable cable cross-sections for flexible cables with end sleeve, max.	1.5 mm²
Conductor cross-section acc. to AWG	
— Connectable cable cross-sections for massive cables, min.	24
— Connectable cable cross-sections for massive cables, min.	16
— Connectable cable cross-sections for flexible cables without end sleeve, min.	24
— Connectable cable cross-sections for flexible cables without end sleeve, max.	16
— Connectable cable cross-sections for flexible cables with end sleeve, min.	24
— Connectable cable cross-sections for flexible cables with end sleeve, max.	16
Wire end processing	
— Stripped length of cables, min.	10 mm
— Stripped length of cables, max.	11 mm
— End sleeve acc. to DIN 46228 without plastic sleeve	Form A, 10 mm and 12 mm long
— End sleeve acc. to DIN 46228 with plastic sleeve	Form E, 10 mm and 12 mm long
Mounting	
— Tool	Screwdriver, conical design, 3 mm to 3.5 mm
— Tightening torque, min.	0.4 N·m
— Tightening torque, max.	0.7 N·m
Dimensions	
Width	29.8 mm
Height	130.5 mm

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Depth	46 mm
Weights	
Weight, approx.	123 g

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