



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

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 mm <sup>2</sup> (total) in a shared ferrule
Conductor cross-section in mm <sup>2</sup>	
— Connectable cable cross-sections for massive cables, min.	0.25 mm <sup>2</sup>
— Connectable cable cross-sections for massive cables, min.	1.5 mm <sup>2</sup>
— Connectable cable cross-sections for flexible cables without end sleeve, min.	0.25 mm <sup>2</sup>
— Connectable cable cross-sections for flexible cables without end sleeve, max.	1.5 mm <sup>2</sup>
— Connectable cable cross-sections for flexible cables with end sleeve, min.	0.25 mm <sup>2</sup>
— Connectable cable cross-sections for flexible cables with end sleeve, max.	1.5 mm <sup>2</sup>
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

Depth	46 mm
<b>Weights</b>	
Weight, approx.	123 g

<b>Classifications</b>			
		<b>Version</b>	<b>Classification</b>
	eClass	14	27-24-22-92
	eClass	12	27-24-22-92
	eClass	9.1	27-24-22-92
	eClass	9	27-24-22-92
	eClass	8	27-24-92-90
	eClass	7.1	27-24-92-90
	eClass	6	27-24-92-90
	ETIM	10	EC002584
	ETIM	9	EC002584
	ETIM	8	EC002584
	ETIM	7	EC002584
	IDEA	4	3552
	UNSPSC	15	32-15-17-03

**Approvals / Certificates**

**General Product Approval**

[Manufacturer Declaration](#)



**For use in hazardous locations**



[FM](#)



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**For use in hazardous locations**



[Type Examination Certificate](#)

[Miscellaneous](#)

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