

SIMATIC S7-1500, Front connector in push-in design, 40-pole for 25 mm wide modules and compact CPUs of the S7-1500, incl. cable tie

General information			
Product type designation		Front connector	
connection method			
Connection I/O signals			
• Connection method • Number of lines per connection		Push-in terminal 1; or max. 8x 2 conductors to 1.5 mm² (in total) in a shared end sleeve and max. 32x 0.75 mm² single core	
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; max. 32x 0.75 mm², 8x 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; max. 32x 0.75 mm², 8x 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; max. 32x 0.75 mm², 8x 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; max. 32x AWG 19, 8x AWG 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; max. 32x AWG 19, 8x AWG 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; max. 32x AWG 19, 8x AWG 16	
Wire end processing			
— Stripped length of cables, min.		8 mm	
— Stripped length of cables, max.		11 mm	
— End sleeve acc. to DIN 46228 without plastic sleeve		Form A, 10 mm long	
— End sleeve acc. to DIN 46228 with plastic sleeve		Form E, 8 mm and 10 mm long	
Mounting			
— Tool		Screwdriver, conical design, 3 mm to 3.5 mm	
Dimensions			
Width		19.8 mm	
Height		130.5 mm	
Depth		43 mm	
Weights			
Weight, approx.		123 g	
Classifications			
		Version	Classification
	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	9	EC002584
ETIM	8	EC002584
ETIM	7	EC002584
IDEA	4	3552
UNSPSC	15	32-15-17-03

Approvals / Certificates

General Product Approval	For use in hazardous locations
--------------------------	--------------------------------

[Manufacturer Declaration](#)



EG-Konf.



[KC](#)



RCM

[FM](#)

For use in hazardous locations



UL

[FM](#)

[CCC-Ex](#)



IECEx



ATEX

[Type Examination Certificate](#)

For use in hazardous locations

[Miscellaneous](#)

last modified:

5/13/2025 