



SIMATIC S7-1500, Front connector in push-in design, 40-pole, for 35 mm wide modules incl. 4 potential bridges and cable ties

General information	
Product type designation	Front connector
Ambient conditions	
Ambient temperature during operation	
• min.	-40 °C
• max.	80 °C
connection method	
Connection I/O signals	
• Connection method	Push-in terminal
• Number of lines per connection	1; or combination of 2 conductors of up to 1.5 mm ² (total) in a shared ferrule
Conductor cross-section in mm ²	
— Connectable cable cross-sections for massive cables, min.	0.25 mm ²
— Connectable cable cross-sections for massive cables, min.	1.5 mm ²
— Connectable cable cross-sections for flexible cables without end sleeve, min.	0.25 mm ²
— Connectable cable cross-sections for flexible cables without end sleeve, max.	1.5 mm ²
— Connectable cable cross-sections for flexible cables with end sleeve, min.	0.25 mm ²
— Connectable cable cross-sections for flexible cables with end sleeve, max.	1.5 mm ²
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.	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	29.8 mm
Height	130.5 mm
Depth	46 mm
Weights	
Weight, approx.	123 g

last modified: 3/17/2023 