



SIMATIC S7-300, Front connector for signal modules with screw contacts, 20-pole

General information	
Product type designation	Front connector
Ambient conditions	
Ambient temperature during operation	
• min.	0 °C
• max.	60 °C
Ambient temperature during storage/transportation	
• min.	-40 °C
• max.	70 °C
Accessories	
belongs to product	S7-300
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 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.	6 mm
— Stripped length of cables, max.	6 mm

— End sleeve acc. to DIN 46228 without plastic sleeve		Design A, 5 mm to 7 mm long	
— End sleeve acc. to DIN 46228 with plastic sleeve		Design E, up to 6 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		23 mm	
Height		131 mm	
Depth		36 mm	
Weights			
Weight, approx.		70 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	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			EMV
 EG-Konf.		Miscellaneous	Manufacturer Declaration
		 RCM	 EG-Konf.
EMV		For use in hazardous locations	
	 RCM	 ATEX	 IECEX
		 ATEX	Miscellaneous
For use in hazardous locations		Maritime application	
CCC-Ex		 PRS	

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