



spare part SIMATIC S7-300, front connector for signal modules with screw connections, 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 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.	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



[Miscellaneous](#)

[Manufacturer Declaration](#)



General Product Approval	EMV	For use in hazardous locations
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[China RoHS](#)

[Manufacturer Declaration](#)



For use in hazardous locations	Maritime application
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[Miscellaneous](#)



[CCC-Ex](#)



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