

SIMATIC S7-300, Front connector for signal modules with spring-loaded 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	Spring 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	
Dimensions		
Width	23 mm	
Height	131 mm	
Depth	36 mm	
Weights		
Weight, approx.	61 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	EMV
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[Miscellaneous](#)



EMV	For use in hazardous locations
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[Miscellaneous](#)

[CCC-Ex](#)

last modified:

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