



SIMATIC S7-300, Front connector with screw contacts, 40-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 2 cables up to 0.75 mm ² (total) in a shared end sleeve
Conductor cross-section in mm ²	
— Connectable cable cross-sections for massive cables, min.	0.14 mm ²
— Connectable cable cross-sections for massive cables, min.	0.75 mm ²
— Connectable cable cross-sections for flexible cables without end sleeve, min.	0.14 mm ²
— Connectable cable cross-sections for flexible cables without end sleeve, max.	0.75 mm ²
— Connectable cable cross-sections for flexible cables with end sleeve, min.	0.14 mm ²
— Connectable cable cross-sections for flexible cables with end sleeve, max.	0.75 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.	19
— Connectable cable cross-sections for flexible cables without end sleeve, min.	24
— Connectable cable cross-sections for flexible cables without end sleeve, max.	19
— Connectable cable cross-sections for flexible cables with end sleeve, min.	24
— Connectable cable cross-sections for flexible cables with end sleeve, max.	19
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		21.6 mm	
Height		125 mm	
Depth		40.9 mm	
Weights			
Weight, approx.		137 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
		Miscellaneous	Manufacturer Declaration
			
EMV		For use in hazardous locations	
			FM
			
For use in hazardous locations		Maritime application	
Miscellaneous	CCC-Ex		NK / Nippon Kaiji Kyokai
			

last modified:

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