



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
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last modified: 3/12/2024 



SIMATIC S7-300, Front connector for signal modules with screw contacts, 20-pole, 100 units per packing unit

Figure similar

General information	
Product type designation	Front connector
Accessories	
belongs to product	S7-300
Weights	
Weight, approx.	10 g

last modified: 3/12/2024 



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
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last modified: 3/12/2024 



SIMATIC S7-300, Front connector with screw contacts, 40-pole, 100 units per packing unit

General information

Product type designation Front connector

Accessories

belongs to product S7-300

Weights

Weight, approx. 10 g

last modified: 3/12/2024 



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
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SIMATIC S7-300, Front connector for signal modules with spring-loaded contacts, 20-pole 100 units per packing unit

General information

Product type designation

Front connector

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SIMATIC S7-300, Front connector for signal modules with spring-loaded 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	Spring 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

Dimensions

Width	21.6 mm
Height	126 mm
Depth	40.9 mm

Weights

Weight, approx.	98 g
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SIMATIC S7-300, Front connector for signal modules with spring-loaded contacts, 40-pole 100 units per packing unit

General information

Product type designation

Front connector

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