

FRONT CONNECTOR (D 2X8E/A) S7-300 SCREW  
FRONT CONNECTOR WITH TWISTED RIBBON CABLE  
CONNECTION FOR 16 DIGITAL I/O MOD. OF THE S7-300,  
POWER SUPPLY VIA SCREW-TYPE TERMINALS

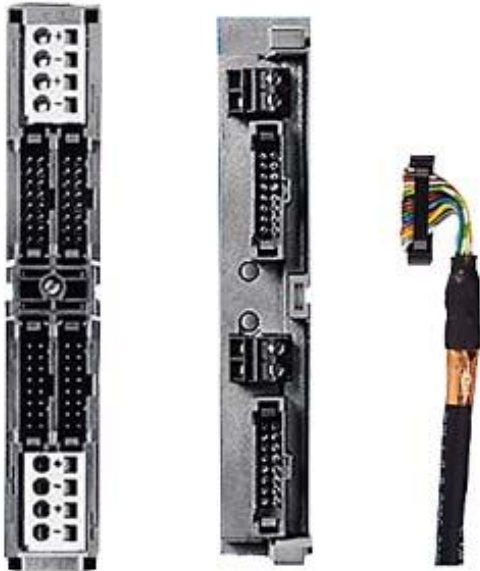


Figure similar

Target system	SIMATIC S7-300
<b>Operating data</b>	
Operating voltage	
• at DC / Rated value	24 V
• rated value	60 V
• at DC / maximum	60 V
Current / rated value	1 A
Continuous current / at DC / per plug-in contact / maximum	1 A
Total current / maximum	4 A
Operating temperature	0 ... 60 °C
Ambient temperature	
• during operation	0 ... 60 °C
• during storage	-40 ... +70 °C
Number of poles	20
number of the plug contacts / of the electrical connection	2
Type of electrical connection / for connecting cable	plug connector

Number of poles / at the 1st interface	16
Position / of the terminal	at the top
Number of terminals	4
Width of screwdriver blade	3.5 mm
Tightening torque / with screw-type terminals	0.4 ... 0.7 N·m
Product component / required / connection plate	No
Number of cables / per connection	2
Wire stripping length	6 mm
Connectable conductor cross-section	
• for flexible conductor / with core end processing	0.25 ... 1.5 mm <sup>2</sup>
• stranded	0.25 ... 1.5 mm <sup>2</sup>
• finely stranded / without core end processing	0.25 ... 1.5 mm <sup>2</sup>
• finely stranded / with core end processing	0.25 ... 1.5 mm <sup>2</sup>
Outer diameter / of the wire insulation	3.1 mm
Wire length / maximum	30 m

### General data

Mounting type	direct mounting
Degree of pollution	2
Overvoltage category	2
Design tested acc. to type of protection / EEx e	No
Certificate of suitability / cULus approval	Yes
Equipment marking / acc. to DIN EN 81346-2	X
Color / of the enclosure	black
Product feature / transparent	No
Net weight	0.099 kg

**last modified:** 11/11/2016