



FRONT CONNECTOR CPU 312C SCREW

Front connector module with flat ribbon Cable connection for compact CPU 312C for connection X1 Power supply over Screw terminals

target system
suitability for use
product type designation
product designation

SIMATIC S7-300
Compact CPU 312
Fully modular connection
Front connector module

Operating data / header

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	40; of the front connector
manufacturer's article number / of device connector / usable	replacement for S7-300 40 pole
number of the plug contacts / of the electrical connection	3
type of electrical connection / for connecting cable	Plug-in connection
number of poles / at the 1st interface	16; the IDC connector for the connection cable
position / of the terminal	at the top
type of electrical connection / for power supply	Screw-type terminal
number of terminals	8; 2 x 2 x L+, 2 x 2 x M
width of screwdriver blade	3.5 mm
tightening torque / with screw-type terminals	0.4 ... 0.7 N·m
product component / required / end cover plate	No
number of cables / per connection	2; Connection for internal system: Combination of 1 or 2 Wires until the sum total of cross sections be achieved in a ferrule.
stripped length	6 mm
type of connectable conductor cross-sections / solid	No
connectable conductor cross-section	
• for flexible conductor / with core end processing	0.25 ... 0.75 mm ² ; End sleeve according to DIN 46228 without plastic collar
• stranded	0.25 ... 0.75 mm ²
• finely stranded / without core end processing	0.25 ... 0.75 mm ²
• finely stranded / with core end processing	0.25 ... 0.75 mm ²
type of wire end sleeve	
• without plastic sleeve / according to DIN 46228-1	Length 5mm to 7mm
outer diameter / of the wire insulation	2 mm; to the connection of the supply terminal
wire length / maximum	30 m; between front connector module and terminal module

General data / header

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
reference code / according to IEC 81346-2	XG
material / of the insulating body	other
color / of the enclosure	black
product feature / transparent	No
net weight	0.096 kg

last modified:

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