SIEMENS

Data sheet 6ES7921-5CH20-0AA0



Front Conn. Mod.(Digital 1X50 P) S7-1500

Front connector module with 1x50 pole IDC connector for digital 32 I/O modules of the S7-1500 Potential supply over Push-in terminal

Technical Product Detail Page	https://i.siemens.com/1P6ES7921-5CH20-0AA0
target system	SIMATIC S7-1500
suitability for use	Digital I/O modules
product type designation	Fully modular connection
product designation	Front connector module
Operating data / header	
operating voltage / at DC	
● rated value	24 V
● lue	24 V
● maximum	60 V
continuous current / at DC / per plug-in contact / maximum	1 A
total current / maximum	2 A; for mounting position horizontal
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 S7-1500 40 pole
number of the plug contacts / of the electrical connection	1
type of electrical connection / for connecting cable	Plug-in connection
number of poles / at the 1st interface	50; the IDC connector for the connection cable
position / of the terminal	at the top
type of electrical connection / for power supply	Push-In terminal
number of terminals	4; 4 x 1 x L+
width of screwdriver blade	3.5 mm
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	8 mm
type of connectable conductor cross-sections / solid	No
connectable conductor cross-section	
● for flexible conductor / with core end processing	0.25 ... 1.5 mm²; End sleeve according to DIN 46228/1 or DIN 46228/4 with plastic collar max. 0.75 mm2
● stranded	0.5 ... 1.5 mm²
● finely stranded / without core end processing	0.5 ... 1.5 mm²
● finely stranded / with core end processing	0.25 ... 1.5 mm²
type of wire end sleeve	
● without plastic sleeve / according to DIN 46228-1	Length 8mm to 9mm
● with plastic sleeve / according to DIN 46228-4	Length 8mm to 9mm
outer diameter / of the wire insulation	3.1 mm; to the connection of the supply terminal

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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
material / of the insulating body	other
color / of the enclosure	black
product feature / transparent	No
net weight	0.099 kg

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