SIEMENS

## Data sheet 6ES7921-5CB20-0AA0



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

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

| | |
|---|---|
| Technical Product Detail Page | https://i.siemens.com/1P6ES7921-5CB20-0AA0 |
| 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 | Screw-type terminal |
| number of terminals | 4; 4 x 1 x L+ |
| 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 | 10 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 ... 2.5 mm² |
| ● finely stranded / without core end processing | 0.5 ... 2.5 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 10mm |
| ● with plastic sleeve / according to DIN 46228-4 | Length 10mm |


Subject to change without notice
© Copyright Siemens

| | |
|---|---|
| outer diameter / of the wire insulation | 3.1 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 |
| material / of the insulating body | other |
| color / of the enclosure | black |
| product feature / transparent | No |
| net weight | 0.099 kg |

**last modified:** 11/14/2025


© Copyright Siemens