SIEMENS

## Data sheet 6ES7921-4BC50-0AB1



Connecting Cable S7 Unshielded 2.5M

Front connector S7-400 for analog Pre-assembled with 4 round Cables 0.14 mm2, L = 2.5 m for analog connection modules

| | |
|---|---|
| Technical Product Detail Page | https://i.siemens.com/1P6ES7921-4BC50-0AB1 |
| target system | SIMATIC S7-400 |
| suitability for use | Analog I/O modules |
| product brand name | SIMATIC Top connect |
| product type designation | Modular connection |
| product designation | Pre-assembled front connector |
| **electrical data / header** | |
| operating voltage / at DC | |
| ● rated value | 24 V |
| ● maximum | 30 V |
| current / rated value | 1 A |
| continuous current / at DC / per plug-in contact / maximum | 1 A |
| total current / maximum | 2 A |
| **connection method** | |
| number of poles | 48; of the front connector |
| Product component / with shield | Yes |
| type of electrical connection / for connecting cable | Screw-type terminal |
| number of poles / at the 1st interface | Cable is directly connected |
| design of the shield | braided shield |
| wire length / maximum | 2.5 m; between front connector module and terminal module |
| position / of the terminal | at the top |
| **standards, specifications, approvals** | |
| certificate of suitability / cULus approval | No |
| design tested acc. to type of protection / EEx e | No |
| overvoltage category | 2 |
| degree of pollution | 2 |
| **ambient conditions** | |
| operating temperature | 0 ... 60 °C |
| ambient temperature | |
| ● during operation | 0 ... 60 °C |
| ● during storage | -30 ... +70 |
| **mechanical data** | |
| mounting type | direct mounting |
| length | 2.5 m |
| width / of the enclosure | 2.5 mm |
| color / of the enclosure | black |
| product feature / transparent | No |
| material / of the insulating body | other |
| net weight | 1 kg |


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| | |
|---|---|
| product component / required / end cover plate | No |
| **further information / internet links** | |
| internet link | |
| ● to website: Industry Mall | https://mall.industry.siemens.com |
| ● to web page: selection aid TIA Selection Tool | https://www.siemens.com/tstcloud |
| ● to web page: system cabling | https://siemens.com/simatic-top-connect |
| ● to website: Industry Online Support | https://support.industry.siemens.com |
| **additional information** | |
| manufacturer's article number / of device connector / usable | replacement for S7-400 48 pole |
| other information | technical specifications apply to rated input voltage values and +25 °C ambient temperature (if not otherwise specified) |
| marketing text | The front connector for SIMATIC S7-400 for connection to an analog I/O module, assembled with 4 round cables 0.14qmm in length of 2.5m, is used for connection to the digital connection modules. This is plugged onto the module to be wired instead of the front connector.This modified front connector module is part of the fully modular connection of SIMATIC TOP connect for the fastest and safest system cabling. In addition to low wiring costs, error sources in cabling can be significantly reduced. Sensors andactuators from the peripherals are attached to the connection modules of SIMATIC TOP connect and linked to the SIMATIC S7-300 via connecting cable and front plug-in module. |

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