SIEMENS

## Data sheet 6ES7923-0BG50-0DB0



Figure similar

CONNECTING CABLE S7 SHIELDED 6.5M

Connecting cable shielded for SIMATIC S7-300/1500 between front connector module and Connection module 16x0.14 mm2 with IDC connectors, Length = 6.5 m

| | |
|---|---|
| Technical Product Detail Page | https://i.siemens.com/1P6ES7923-0BG50-0DB0 |
| target system | SIMATIC S7-300 / 1500 |
| suitability for use | Digital and analog I/O modules |
| suitability for interaction | |
| ● input card PLC | Yes |
| ● PLC output card | Yes |
| suitability for use | |
| ● digital signal transmission | Yes |
| ● analog signal transmission | Yes |
| product brand name | SIMATIC Top connect |
| product type designation | Fully modular connection |
| product designation | Pre-assembled round cable |
| **electrical data** | |
| operating voltage / at DC | |
| ● rated value | 24 V |
| ● maximum | 60 V |
| **connection method** | |
| design of cable | Round cable |
| number of channels | 8 |
| wire length | 6.5 m |
| conductor cross section / rated value | 0.14 mm² |
| Product component / with shield | Yes |
| design of the shield | braided shield |
| number of poles | 16 |
| ● at the 1st interface | 16; cable side front connector module |
| ● at the 2nd interface | 16; on the connection module |
| connector type | IDC connector |
| type of electrical connection / on enclosure | Connector strip |
| type of electrical connection / in the field | Connector strip |
| **standards, specifications, approvals** | |
| certificate of suitability | |
| ● cULus approval | No |
| **Environmental Product Declaration** | |
| Environmental Product Declaration | Yes |
| global warming potential [CO2 eq] | |
| ● total | 7.181 kg |
| ● during manufacturing | 6.984 kg |
| ● during operation | 0 kg |


Subject to change without notice
© Copyright Siemens

| | |
|---|---|
| ● after end of life | 0.017 kg |
| **ambient conditions** | |
| ambient temperature | |
| ● during operation | 0 ... 60 °C |
| ● during storage | -30 ... +70 |
| **mechanical data** | |
| outer diameter / of cable sheath | 7 mm |
| material / of the connection cable sheath | PVC |
| color / of cable sheath | Black |
| net weight | 0.45 kg |
| **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** | |
| other information | technical specifications apply to rated input voltage values and +25 °C ambient temperature (if not otherwise specified) |
| marketing text | The 16-pin round cable (shielded) with a length of 6.5m represents the link between the front connector and connection module. This pre-assembled cable enables a trouble-free and safe signal flow. Even complex installations remain manageable and can be checked in the shortest possible time, which makes maintenance and expansion affordable. This pre-assembled connecting cable is part of the fully modular SIMATIC TOP connect connection for the fastest and safest system cabling. In addition to low wiring costs, error sources in cabling can be significantly reduced. Sensors and actuators from the peripherals are combined with the connection modules of SIMATIC TOP connect and connected to the SIMATIC S7-1500 via cable and front plug-in module. |

**last modified:** 8/28/2026


© Copyright Siemens