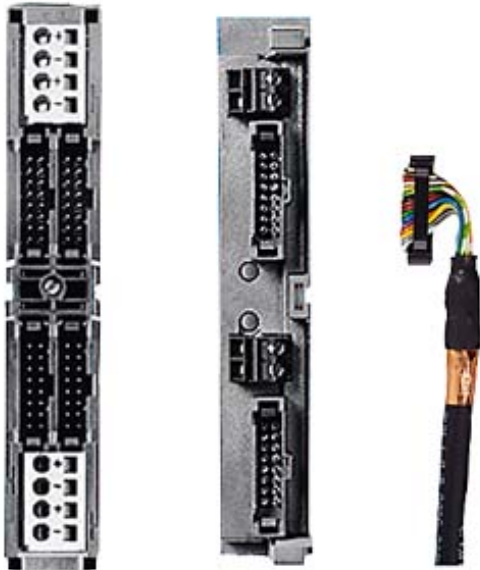


FRONT CONNECTOR (D 2X8E/A) S7-300 SCREW
 Front connector module with flat ribbon Cable connection for digital
 16 I/O modules of the S7-300, Power supply over Screw terminal



| | |
|--------------------------|--------------------------|
| Target system | SIMATIC S7-300 |
| Suitability for use | Digital I/O modules |
| Product type designation | Fully modular connection |
| Product designation | Front connector module |

| Operating data | |
|--|----------------------------|
| 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 | 20; of the front connector |

| | |
|--|--|
| Manufacturer's article number / of device connector / usable | replacement for S7-300 20 pole |
| number of the plug contacts / of the electrical connection | 2 |
| 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 | 4; 2 x 1 x L+, 2 x 1 x M |
| Width of screwdriver blade | 3.5 mm |
| Tightening torque / with screw-type terminals | 0.4 ... 0.7 N·m |
| Product component / required / connection 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 ... 1.5 mm ² ; End sleeve according to DIN 46228 without plastic collar |
| • stranded | 0.25 ... 1.5 mm ² |
| • finely stranded / without core end processing | 0.25 ... 1.5 mm ² |
| • finely stranded / with core end processing | 0.25 ... 1.5 mm ² |
| Type of wire end sleeve | |
| • without plastic sleeve / acc. to DIN 46228-1 | Length 5mm to 7mm |
| 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

| | |
|--|-----------------|
| (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 / acc. to DIN EN 81346-2 | X |
| Material / of the insulating body | other |
| Color / of the enclosure | black |
| Product feature / transparent | No |
| (net weight) | 0.099 kg |
| last modified: | 06/12/2019 |