SIEMENS

## Data sheet 6ES7922-3BD20-0AG0



S7-300 FRONTCON. SINGLE CO. 3.2 M CRIMP

********** spare part ********* front connector for SIMATIC S7-300 40-pole (6ES7921-3AH20-0AA0) with 40 single cores 0.5 mm2, single cores H05V-K, crimp version PU=1 unit L = 3.2 m

| | |
|---|---|
| target system | SIMATIC S7-300 |
| suitability for use | Digital I/O modules |
| suitability for interaction | |
| ● input card PLC | Yes |
| ● PLC output card | Yes |
| suitability for use | |
| ● digital signal transmission | Yes |
| ● analog signal transmission | No |
| product brand name | SIMATIC Top connect |
| product type designation | Flexible connection |
| product designation | Front connector with single cores |
| **electrical data** | |
| operating voltage / at DC | |
| ● rated value | 24 V |
| ● maximum | 30 V |
| continuous current / with simultaneous load on all cores / at DC / maximum permissible | 1.5 A |
| type of electrical connection | |
| ● in the field | other |
| ● on enclosure | other |
| **connection method** | |
| connector type | 6ES7392-1AM00-0AA0 |
| type of connecting terminal | Crimp connection |
| wire length | 3.2 m |
| number of channels | 40 |
| number of poles | 40; of the front connector |
| marking / of cores | Number consecutively from 1 to 40 in white adapter contact = core number |
| **standards, specifications, approvals** | |
| certificate of suitability / cULus approval | No |
| **ambient conditions** | |
| ambient temperature | |
| ● during operation | 0 ... 60 °C |
| ● during storage | -30 ... +70 °C |
| **mechanical data** | |
| design of cable | H05V-K |
| material / of the connection cable sheath | PVC |
| color / of cable sheath | blue |
| RAL color number | RAL 5010 |
| conductor cross section / rated value | 0.5 mm² |


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| | |
|---|---|
| outer diameter / of cable sheath | 2.2 mm; of the cable |
| net weight | 1.319 kg |
| **further information / internet links** | |
| internet link / to website: CAx-Download-Manager | https://siemens.com/cax |
| internet link / to website: Industry Online Support | https://support.industry.siemens.com |
| **additional information** | |
| other information | Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified) |
| marketing text | The pre-assembled 20-pole front connector with 40 single wires of type H05V-K, conductor cross-section 0.5qmm, with a length of 3.2m in spring-loaded version is intended for connection to a digital I/O module of the SIMATIC S7-300. This is plugged onto the module to be wired instead of the front connector. This allows the signals of the digital I/O module to be easily connected to the elements to be wired via the numbered individual wires.This front connector with single wires is part of the flexible connection of SIMATIC TOP connect for the fastest and safest system cabling. In addition to a 50% lower wiring effort, sources of errors in cabling can be significantly reduced. |

## Classifications

| | Version | Classification |
|---|---|---|
| eClass | 16 | 27-24-22-20 |
| eClass | 14 | 27-24-22-20 |
| eClass | 12 | 27-24-22-20 |
| eClass | 9.1 | 27-24-22-20 |
| eClass | 9 | 27-24-22-20 |
| eClass | 8 | 27-24-92-05 |
| eClass | 7.1 | 27-24-92-05 |
| eClass | 6 | 27-24-92-05 |
| ETIM | 10 | EC000237 |
| ETIM | 9 | EC000237 |
| ETIM | 8 | EC000237 |
| ETIM | 7 | EC000237 |
| IDEA | 4 | 3553 |
| UNSPSC | 15 | 32-15-17-03 |

## Approvals / Certificates

### General Product Approval

| | | | |
|---|---|---|---|
| Declaration of Conformity | Manufacturer Declaration | China RoHS | Manufacturer Declaration |

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