# IE-C5DS4VG0040A20A20-E

**Weidmüller Interface GmbH & Co. KG**
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

## General ordering data

| | |
|---|---|
| Version | System cable, RJ45 IP 20, RJ45 IP 20, Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B), PVC, 4 m |
| Order No. | 1191010040 |
| Type | IE-C5DS4VG0040A20A20-E |
| GTIN (EAN) | 4050118241754 |
| Qty. | 1 pc(s). |

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## Technical data

### Dimensions and weights

| | | | |
|---|---|---|---|
| Length | 4 m | Length (inches) | 157.48 inch |
| Net weight | 303 g | | |

### Temperatures

| | | | |
|---|---|---|---|
| Storage temperature | -40 °C...80 °C | Operating temperature | -40 °C...70 °C |
| Installation temperature | -40 °C...80 °C | | |

### Cable specific standards

| | | | |
|---|---|---|---|
| Standard, additional standards | UL-File E11901 Vol.1 Sec.12 Page 1, UL-File E116441 Vol.1 Sec.6 Page 8 | Standard, assembly | UL-Style 21694 |
| Standard, insulating material | DIN EN 50290-2-23 (VDE 0819) Table 2/A (HD 624.3) | Standard, shielding material | DIN EN 13602 Cu-ETP-A..B |
| Standard, wire material | DIN EN 13602 Cu-ETP-A | | |

### General standards

| | |
|---|---|
| Certificate no. (cULus) | E316369 |

### Cable structure

| | | | |
|---|---|---|---|
| Arrangement of wire cores | Star-quad | Colour sequence or wires - wire pairs | white, yellow, blue, orange |
| Complete shielding | Aluminium foil, Shielding braid made from copper wiring | Cross-section | 4*AWG 22/7 - 0.32 mm² |
| Diameter of inner sheathing | 4.05 mm | Filler | As central element |
| Insulation | PE | Insulation cross-section | 1.5 mm |
| Material sheath | PVC | Number of wires | 4 |
| Overlap of shielding braid | 85 % | Sheath diameter, max. | 6.7 mm |
| Sheath diameter, min. | 6.3 mm | Sheathing colour | green (RAL 6018) |
| Sheathing material thickness | 0.9 mm | Shielding | SF/UTP |
| Shielding braid thickness | 0.13 mm | Standard designations | 2YY(ST)CY 2x2x0,75/1,5-100 LI VZN GN |
| Strands | 7 | Wire material | Stranded tin-plated copper wire |

### Electrical properties of cable

| | | | |
|---|---|---|---|
| Category | Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B) | | |
| Characteristic impedance | 100 ± 5 Ω at 100MHz | | |
| Loop resistance | 120 Ω/km | | |
| Operating voltage (UL rating) | Operating voltage | 600 V | |
| Operating voltage (UL rating) | 600 V | | |
| Operating voltage, UL | 600 V | | |
| Signal propagation time | 5.3 ns/m | | |
| Test voltage: wire-wire-shield | 2000 $V_{eff}$, 50 Hz, 1 min | | |
| Transfer impedance | 20 mΩ/m at 10 MHz | | |

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## Technical data

### Mechanical and material properties of cable

| | | | |
|---|---|---|---|
| Abrasion resistance | good | Halogen | Yes |
| Min. bending radius, once only | 3.5 *diameter | Min. bending radius, repetitive | 7.5 x cable diameter |
| Resistance to spread of flame | in accordance with IEC 60332-1 / UL 1685 | | |

### Plug

| | | |
|---|---|---|
| Plug | Cable side | left |
| | Version of contact face | RJ45 |
| | Protection degree (IP) | IP20 |
| | Gender of contact | male contact |
| | Outlet direction | straight |
| | Version of connector | plug |
| | Housing main material | Zinc diecast |
| | Status indicator available | No |
| | Shielding available | Yes |
| | Cable side | right |
| | Version of contact face | RJ45 |
| | Protection degree (IP) | IP20 |
| | Gender of contact | male contact |
| | Outlet direction | straight |
| | Version of connector | plug |
| | Housing main material | Zinc diecast |
| | Status indicator available | No |
| | Shielding available | Yes |
| Plug left | RJ45, IP20, male contact, straight, plug, Zinc diecast, shielded | |
| Plug right | RJ45, IP20, male contact, straight, plug, Zinc diecast, shielded | |

### Classifications

| | | | |
|---|---|---|---|
| ETIM 6.0 | EC002599 | ETIM 7.0 | EC002599 |
| ETIM 8.0 | EC002599 | ETIM 9.0 | EC002599 |
| ECLASS 9.0 | 27-06-03-08 | ECLASS 9.1 | 27-06-03-08 |
| ECLASS 10.0 | 27-06-03-08 | ECLASS 11.0 | 27-06-03-08 |
| ECLASS 12.0 | 27-06-03-08 | ECLASS 13.0 | 27060308 |

### Approvals

Approvals

| | |
|---|---|
| ROHS | Conform |
| UL File Number Search | UL Website |
| Certificate no. (cULus) | E316369 |

### Downloads

| | |
|---|---|
| Engineering Data | CAD data – STEP |
| User Documentation | MAN IE GUIDE DE<br>MAN IE GUIDE EN |
| Catalogues | Catalogues in PDF-format |
| Brochures | FL FIELDWIRING EN<br>PI PROFINET CABLING EN |

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