

IE-C5ES8VB0002N40N40-B-K6KV**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com



Assembled cables with 2x RJ45, suitable for smart metering applications, different colors in accordance with DIN VDE 0603-100. Short plugs and cables with small bending radius for tight spaces, plug housing with circumferential insulation allow protection class IP30 in mated condition.

General ordering data

| | |
|------------|---|
| Order No. | 2813820002 |
| Type | IE-C5ES8VB0002N40N40-B-K6KV |
| GTIN (EAN) | 4099986861121 |
| Qty. | 1 items |

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Technical data

Approvals

Approvals



ROHS Conform

Dimensions and weights

| | | | |
|------------|-------|-----------------|------------|
| Length | 0.2 m | Length (inches) | 7.874 inch |
| Net weight | 25 g | | |

Temperatures

Installation temperature 0 °C...50 °C

Environmental Product Compliance

| | |
|------------------------|-----------------------------|
| RoHS Compliance Status | Compliant without exemption |
| REACH SVHC | No SVHC above 0.1 wt% |

Electrical properties

| | | | |
|-------------------|-------|------------|----------------------------|
| Operating voltage | 125 V | PoE / PoE+ | conforming to IEEE 802.3at |
|-------------------|-------|------------|----------------------------|

General standards

| | | | |
|--------------------|-----------------|---|-----------------------|
| Connector standard | IEC 60603-7-5 1 | Application-specific communication cable facilities | VDE-AR-N 4100:2019-04 |
|--------------------|-----------------|---|-----------------------|

Standards

| | |
|--------------------|-----------------|
| Connector standard | IEC 60603-7-5 1 |
|--------------------|-----------------|

Cable structure

| | | | |
|--------------------|---|--------------------------|--|
| Sheath diameter | 5.5 mm | Sheathing colour | blue |
| Cross-section | 4x2xAWG 26/7. 4x2x0.128 mm ² | Shielding | SF/UTP |
| Number of wires | 8 | Insulation cross-section | 1 mm |
| Insulation | PE | Material sheath | PVC |
| Cable layout | Double insulation according to VDE 0603-100 | Colour coding | white / blue, white / orange, white / green, white / brown |
| Complete shielding | Shielding braid made from copper wiring, Aluminium foil | | |

Electrical properties of cable

| | | | |
|---------------------------------|---|-------------------------|----------|
| Rated impulse withstand voltage | 6 kV | Operating voltage | 125 V |
| Category | Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B) | Signal propagation time | 5.1 ns/m |

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Mechanical and material properties of cable

| | | | |
|--------------------|--------------------|--------------------------------|----------------------------------|
| Resistance to oils | No | Colour | blue (RAL 5015) |
| Halogen | yes (PVC cable) | Min. bending radius, once only | 5 x cable diameter |
| Bending radius | 4 x cable diameter | Resistance to spread of flame | in accordance with IEC 60332-1-2 |

Plug

| | | | |
|------------|--|-----------|--|
| Plug right | RJ45, IP30 (plugged), male contact, straight, plug, shielded | Plug left | RJ45, IP30 (plugged), male contact, straight, plug, shielded |
|------------|--|-----------|--|

Plug, left

| | |
|-----------|--|
| Plug left | RJ45, IP30 (plugged), male contact, straight, plug, shielded |
|-----------|--|

Plug, right

| | |
|------------|--|
| Plug right | RJ45, IP30 (plugged), male contact, straight, plug, shielded |
|------------|--|

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 8.0 | EC002599 | ETIM 9.0 | EC002599 |
| ETIM 10.0 | EC002599 | ECLASS 14.0 | 27-06-03-08 |
| ECLASS 15.0 | 27-06-03-08 | | |

Wiring



| | | | | |
|------|---|--------|---|------|
| RJ45 | 1 | red | 1 | RJ45 |
| | 2 | orange | 2 | |
| | 3 | black | 3 | |
| | 4 | blue | 4 | |
| | 5 | white | 5 | |
| | 6 | green | 6 | |
| | 7 | yellow | 7 | |
| | 8 | brown | 8 | |