

IE-C5ES8VB0010N40N40-B-K6KV**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Product image**

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

| | |
|------------|--|
| Version | Patch cable, RJ45 IP30 (plugged), RJ45 IP30 (plugged), Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B), PVC, 1 m, , straight, 6 kV |
| Order No. | 2813820010 |
| Type | IE-C5ES8VB0010N40N40-B-K6KV |
| GTIN (EAN) | 4064675298328 |
| Qty. | 1 pc(s). |

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Technical data

Dimensions and weights

| | | | |
|------------|------|-----------------|------------|
| Length | 1 m | Length (inches) | 39.37 inch |
| Net weight | 33 g | | |

Temperatures

| | | | |
|-----------------------|----------------|--------------------------|--------------|
| Operating temperature | -20 °C...70 °C | Installation temperature | 0 °C...50 °C |
|-----------------------|----------------|--------------------------|--------------|

Electrical properties

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

General standards

| | |
|--------------------|----------------|
| Connector standard | IEC 60603-7-51 |
|--------------------|----------------|

Standards

| | |
|--------------------|----------------|
| Connector standard | IEC 60603-7-51 |
|--------------------|----------------|

Cable structure

| | | | |
|--------------------|---|--------------------------|--|
| 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 | Cross-section | 4x2xAWG 26/7. 4x2x0.128 mm ² |
| Insulation | PE | Insulation cross-section | 1 mm |
| Material sheath | PVC | Number of wires | 8 |
| Sheath diameter | 5.5 mm | Sheathing colour | blue |
| Shielding | SF/UTP | | |

Electrical properties of cable

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

Mechanical and material properties of cable

| | | | |
|--------------------------------|--------------------|-------------------------------|----------------------------------|
| Bending radius | 4 x cable diameter | Colour | blue (RAL 5015) |
| Min. bending radius, once only | 5 x cable diameter | Resistance to spread of flame | in accordance with IEC 60332-1-2 |

Plug

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

Plug, left

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

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Catalogue status 17.08.2024 / We reserve the right to make technical changes.

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www.weidmueller.com**Technical data****Plug, right**

| | |
|------------|--|
| Plug right | RJ45, IP30 (plugged), male contact, straight, plug, 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 | 27-06-03-08 |
| ECLASS 14.0 | 27-06-03-08 | | |

Environmental Product Compliance

| | |
|------------------------|-----------------------------|
| REACH SVHC | / |
| RoHS Compliance Status | Compliant without exemption |

Approvals

Approvals



| | |
|------|---------|
| ROHS | Conform |
|------|---------|

Downloads

| | |
|------------------|--|
| Engineering Data | CAD data – STEP |
| Catalogues | Catalogues in PDF-format |

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www.weidmueller.com**Drawings****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 | |