

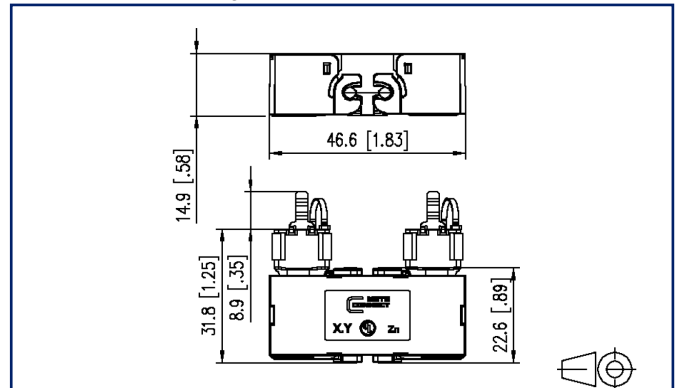
Data sheet

Cable connector class E_A 360°

Illustrations



Dimensional drawing



See enlarged drawings at the end of document

Product specification

- Cable connector for field assembly Class E_A for 8 wire cables (optionally also for 4 wire cables)
- Cable feed angled return 360°
- to connect / extend / repair / relocate copper data cables up to Cat.7_A
- in combination with Cat. 6_A or higher copper cables, class E_A up to 500 MHz according to ISO/IEC 11801, DIN EN 50173 is fulfilled
- suitable for 10Gbit Ethernet (IEEE 802.3an), Remote Powering (PoE, PoE plus, UPoE and 4PPoE), HDBaseT, SAT-IP and AVoverIP
- Compact design, length 46.6 mm x width 14.7 mm x height 31.8 mm
- solid, one-piece and reusable housing refined with zinc die-casting
- simplest confection - mounting without special tools, strain relief via snap-in clip directly on the loading piece
- intelligent cable management in stuffer cap - also suitable for heavily twisted cables
- shield connection and strain relief integrated
- conductor assignment to T568A and T568B is directly printed on the stuffer cap
- Simple extension or relocation of existing infrastructure C6_A modul through reusable loading pieces
- easy connection of data cables AWG 26/1 to 22/1 (solid wire) and AWG 26/7 to 22/7 (stranded wire) to insulation displacement connectors (IDC)
- solid copper wire diameter 0.409 to 0.643 mm
- stranded copper wire diameter 0.483 to 0.762 mm
- suitable for cables with an overall diameter of 5.5 to 10 mm
- fully shielded version according to DIN EN 50173

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130863-06-E

EAN 4251394608129

2023/04/05

Version: C

Technical Data

General Data

| | |
|---|---|
| Fields of application | structured building cabling Industrial Ethernet office areas harsh environment Distributed building services data center |
| Mechanical measurement according to MICE | M1 |
| Ingress measurement according to MICE | I1 |
| Climatic measurement according to MICE | C1 |
| Electromagnetic measurement according to MICE | E2 |
| Design | cable connector |
| Shielding | shielded |
| Transmission technology | Copper |
| Wiring | T568A, T568B |
| Color | metallike |
| Dimensions | |
| Dimension (L x W x H) | 46.6 mm x 14.7 mm x 33.44 mm |
| Dimension (L x W x H) | 1.835 in. x 0.579 in. x 1.317 in. |
| Field assembly ability | yes |

Transmission characteristics

| | |
|---------------------------------|----------------|
| Class (ISO/IEC) | E _A |
| Remote Powering | yes |
| PoE | IEEE 802.3af |
| PoE plus | IEEE 802.3at |
| UPoE | yes |
| 4PPoE | IEEE 802.3bt |
| HDBaseT | yes |
| Transmission rate up to 10 GBit | IEEE 802.3an |



Technical Data

| Connections/interfaces | |
|---|---|
| Connector technology interface 1 | IDC-connection |
| Connector technology interface 2 | IDC-connection |
| Number of positions/contacts interface 1 | 8 |
| Number of positions/contacts interface 2 | 8 |
| Termination data, solid wire (min. - max.) | |
| Conductor cross section, solid wire | AWG 26/1 - AWG 22/1 |
| Conductor cross section, solid wire | 0.128 mm ² - 0.324 mm ² |
| Conductor diameter, solid wire (bare copper) | 0.409 mm - 0.643 mm |
| Conductor diameter, solid wire (bare copper) | 0.016 in. - 0.025 in. |
| Termination data, stranded wire (min. - max.) | |
| Conductor cross section, stranded wire | AWG 26/7 - AWG 22/7 |
| Conductor cross section, stranded wire | 0.141 mm ² - 0.355 mm ² |
| Conductor diameter, stranded wire (bare copper) | 0.483 mm - 0.762 mm |
| Conductor diameter, stranded wire (bare copper) | 0.019 in. - 0.03 in. |
| Aderdurchmesser (min.-max.) | |
| Core diameter (conductor with insulation) | 1.6 mm |
| Core diameter (conductor with insulation) | 0.063 in. |
| Cable sheath diameter (min. - max.) | |
| Cable sheath diameter | 5.5 mm - 10.00 mm |
| Cable sheath diameter | 0.197 in. - 0.394 in. |
| Cable access/outlet | 360° |
| Reconnectibility | yes, if cross section is greater or the same |
| Ground connection | for cable plugs 2,8 mm/0,11 inch |
| Shield connection | flexible contact spring |

Electrical characteristics

| | |
|---|----------------|
| Current carrying capacity | max. 1 A |
| Rated voltage | max. 50 V |
| Contact resistance | max. 20 mOhm |
| Through resistance | max. 200 mOhm |
| Insulation resistance | min. 500 MOhm |
| Dielectric strength conductor-conductor (secondary) | max. 1000 V DC |

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Mechanical data

| | |
|---------------|---------------|
| strain relief | latching clip |
|---------------|---------------|

Materials and material properties

| | |
|---|-----------------------|
| Material - Housing | GD-Zn (zinc die-cast) |
| Material - Housing finish | Ni (nickel) |
| Material - Insulation displacement contacts | CuSn (tin bronze) |
| Material - Finish of insulation displacement contacts | Sn (tin) |
| Material - Shield | GD-Zn (zinc die-cast) |
| Material - Stuffer cap | PA 6.6 UL94 V0 |
| Material - Strain relief | PA 6.6 UL94 V0 |
| Halogen free | yes |
| RoHS | compliant |

Environmental conditions

| | |
|----------------------------|-----------------|
| Temperature (min. - max.) | |
| Temperature - Storage °C | -40 °C - 70 °C |
| Temperature - Storage °F | -40 °F - 158 °F |
| Temperature - Operating °C | -40 °C - 70 °C |
| Temperature - Operating °F | -40 °F - 158 °F |
| Particulate ingress | IP2X |
| Liquid ingress/immersion | IPX0 |

Approvals

UL listed (file no.)



DUXR.E178484

Standards/Regulations

Generic cabling systems

| | |
|----------------------|--|
| General requirements | ISO/IEC 11801-1 DIN EN 50173-1 ANSI/TIA-568-D |
| Office buildings | ISO/IEC 11801-2 DIN EN 50173-2 ANSI/TIA-568-D |
| Industrial area | ISO/IEC 11801-3 DIN EN 50173-3 ANSI/TIA-1005 |
| Living units | ISO/IEC 11801-4 DIN EN 50173-4 ANSI/TIA-570 |



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Standards/Regulations

Generic cabling systems

| | |
|--------------|--|
| Data centers | ISO/IEC 11801-5 DIN EN 50173-5 ANSI/TIA-942-B |
|--------------|--|

| | |
|-------------------------------|--|
| Distributed building services | ISO/IEC 11801-6 DIN EN 50173-6 ANSI/TIA-862 |
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Application-specific communications cabling systems

| | |
|----------|-----|
| Profinet | yes |
|----------|-----|

| | |
|--|---------|
| UL standard for Communications-Circuit Accessories | UL 1863 |
|--|---------|

| | |
|--|-----------|
| Industrial communication networks Installation in industrial premises | IEC 61918 |
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Classifications

| | |
|----------|----------|
| ETIM 7.0 | EC001121 |
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| ETIM 8.0 | EC001121 |
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| ETIM 9.0 | EC001121 |
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Accessories

| P/N | Designation |
|-------------|---|
| 130863T101E | Click & fix 19 inch frame for cable connector 1RU |



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