

CJK Cat. 6 / Cat. 6_A Ethernet

1 A 50 V

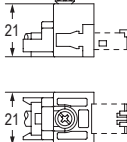
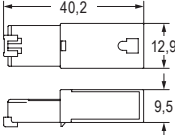
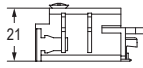
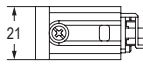
size **21.21**

1 seat for RJ45 IDC connectors

IDC connection

EN 61984 rating	1 A 50 V 0,8 kV 3
Insulation resistance	≥ 10 GΩ
Ambient temperature limit	-40 °C ... +70 °C
Mechanical life (cycles)	≥ 500

CJUS ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	Dimension
	Male insert for 1 RJ45 male IDC connector, 8 data contacts Without RJ45 connector (to be ordered separately) To be used with hoods with glued gasket, DESINA® version	CJK 8IMT	
	RJ45 male IDC connector 8 data contacts Cannot be used with angled enclosures	CX 8 J6IM	
	RJ45 female insert /IDC connection Cat. 6 _A contact coding according to T568A	CJK 8IFT	
	RJ45 female insert /IDC connection Cat. 6 _A contact coding according to T568B	CJK 8B IFT	
	RJ45 female insert /IDC connection Cat. 6 _A contact coding according to PROFINET Cannot be used with angled bulkhead mounting housing (CK/CKA..IA/IA4) and angled mounting housing with M20 and Pg 11 cable entry	CJK 8P IFT	

Materials

Insert	polycarbonate (PC)
Shielding housing	nickel-plated brass
Housing finish	zinc die-cast
UL 94 flame rating	V-0
Colour	white, RAL 7035

CJK..IFT RJ45 female IDC connectors, Cat. 6_A technical data:

- conductor diameter:
solid: 0,4 - 0,64 mm (AWG 26/1 - 22/1);
stranded: 0,48 - 0,76 mm (AWG 26/7 - 22/7);
- current carrying capacity at 50 °C: 1 A;
- PoE according to IEEE 802.3af:
adequate for Power over Ethernet;
- insulation diameter: 0,85 - 1,6 mm;
- generic cabling systems: ANSI/TIA/EIA-568-C.2; ISO/IEC 11801; EN50173-1; ISO/IEC 24702 and EN 61918;
- connectors: IEC 60603-7-5;
- 10 Gigabit Ethernet according to IEEE 802.3an: adequate for 10 Gigabit Ethernet;
- custom-designed cabling systems: PROFINET Installation Guideline;
- class E_A (channel): ISO/IEC 11801; EN 50173-1.

CX 8 J6IM RJ45 male IDC connectors, Cat. 6 Class E_A technical data:

- conductor diameter:
solid: 0,41 - 0,64 mm (AWG 26/1 - 22/1);
stranded: 0,48 - 0,76 mm (AWG 26/7 - 22/7);
- insulation diameter: 0,85 - 1,6 mm;
- cable diameter: 5,5 - 8,5 mm;
- connectors: IEC 60603-7-5;
- wrenches pliers: **CJPW K**;
- 10 Gigabit Ethernet according to IEEE 802.3an: adequate for 10 Gigabit Ethernet;
- custom-designed cabling systems: PROFINET Installation Guideline
- Cat. 6: ANSI/TIA/EIA-568-C.2
- Cat. 6_A: ISO/IEC 11801; DIN EN 50173-1;
- class E_A: ISO/IEC 11801; EN 50173-1.

PIN assignment

Pin n°	CJK 8IFT T568A according to TIA/EIA 568-C.2	CJK 8B IFT T568B according to TIA/EIA 568-C.2	CJK 8P IFT Profinet Industrial
			
1	WH/GN	WH/OG	YE
2	GN	OG	OG
3	WH/OG	WH/GN	WH
4	BU	BU	—
5	WH/BU	WH/BU	—
6	OG	GN	BU
7	WH/BN	WH/BN	—
8	BN	BN	—

Compact 21.21 enclosures**Pages****Heavy-Duty Applications**

Thermoplastic	A.46-48,51-52*
Thermoplastic with metal lever	A.53-55
Metallic	A.56-63,65-66*

Aggressive Environments

Metallic IP68 high protection	A.78-81
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Specialized Applications

Hygienic series for food and beverage	A.94-96*
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* male inserts without gasket compatible only with hoods with glued gasket, **DESINA®** version

- Inserts already supplied with stainless steel fixing screw with gasket, which ensures IP66/IP67/IP69 degree of protection;
- it is recommended to fix the cable with cable tie.