Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

Contact us

P | Cabling

Data sheet
C6$_A$ RJ45 field plug pro 360

Illustrations

Dimensional drawing
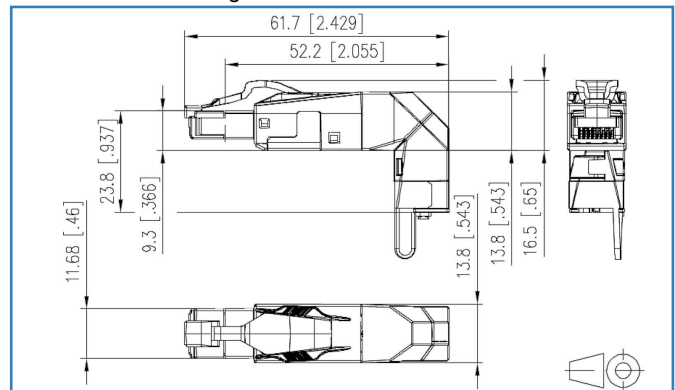
See enlarged drawings at the end of document

GHMT — c(UL)us LISTED

Product specification

- Cat.6$_A$ class E$_A$ RJ45 plug to be assembled in the field
- fully shielded and multi-port capable
- variable (360°) cable feed, freely selectable
- easy assembly - connection without special tools
- wire connection: stranded wire AWG 27/7 to 22/7, wire diameter from 0.46 to 0.76 mm
- wire connection: solid wire AWG 26/1 to 22/1, wire diameter from 0.4 to 0.64 mm
- transmission characteristics Cat.6$_A$ per ISO/IEC 11801 Ed.2.2:2011-06
- compliance with class E$_A$ to ISO/IEC 11801
- Ed.2.2:2011-06, DIN EN 50173-1:2011-09
- suitable for 10 GBit Ethernet (IEEE 802.3an), Remote Powering (PoE, PoE plus, UPoE and 4PPoE) and HDBaseT
- degree of protection IP20
- for cable jacket from 5.5 to 10.5 mm
- zinc die-cast housing for industrial use
- strain relief by latching clip directly on the stuffer cap
- protected locking hook
- reconnectable

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Data sheet
C6$_A$ RJ45 field plug pro 360

Technical Data

General Data

Fields of application	
	Structured building cabling
Design	Plugs
Shielding	shielded
Transmission technology	Copper
Color	black
Dimensions	
Dimension (L x W x H)	61.70 x 13.80 x 27.50 mm
Dimension (L x W x H)	2.429 x 0.543 x 1.083 in.
Field assembly ability	yes
Multi-port capability	yes
Labeling option	on housing

Transmission characteristics

Category (ISO)	6$_A$
Class (ISO/IEC)	E$_A$
Category (TIA)	6A
Remote Powering	yes
PoE	IEEE 802.3af
PoE plus	IEEE 802.3at
UPoE	yes
HDBaseT	yes
Transmission rate up to 10 GBit (Gigabit-Ethernet)	IEEE 802.3an

Connections/interfaces

Connector technology interface 1	IDC-connection
Connector technology interface 2	RJ45 plug
Number of ports interface 2	1
Number of equipped ports interface 2	1
Number of positions/contacts interface 1	8
Number of positions/contacts interface 2	8P/8C

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C6$_A$ RJ45 field plug pro 360

Technical Data

Connections/interfaces

Termination data, solid wire (min. - max.)	
Conductor cross section, solid wire	AWG 26/1 - 22/1
Conductor cross section, solid wire	0.128 - 0.324 mm²
Conductor diameter, solid wire (bare copper)	0.409 - 0.643 mm
Conductor diameter, solid wire (bare copper)	0.016 - 0.025 in.
Termination data, stranded wire (min. - max.)	
Conductor cross section, stranded wire	AWG 27/7 - 22/7
Conductor cross section, stranded wire	0.111 - 0.355 mm²
Conductor diameter, stranded wire (bare copper)	0.457 - 0.762 mm
Conductor diameter, stranded wire (bare copper)	0.018 - 0.030 in.
Cable sheath diameter (min. - max.)	
Cable sheath diameter	5.50 - 10.50 mm
Cable sheath diameter	0.217 - 0.413 in.
Cable access/outlet	variable, selectable (360°)
Reconnectibility	yes
Shield connection	flexible contact spring

Electrical characteristics

Current carrying capacity	max. 1 A
Rated voltage	max. 50 V
Contact resistance	max. 20 mOhm
Insulation resistance	min. 500 MOhm
Dielectric strength conductor-conductor (secondary)	min. 1000 V DC
Dielectric strength conductor-shield	1500 V DC

Mechanical characteristics

Mounting method	snap-in function
Insertion and withdrawal force	max. 20 N
Life - Number of mating cycles	min. 750
Position/mounting of latch - standard installation position	top
strain relief	latching clip

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Data sheet

C6$_A$ RJ45 field plug pro 360

Technical Data

Materials and material properties

Material - Housing	GD-Zn (zinc die-cast)
Material - Contact	CuSn (tin bronze)
Material - Contact finish	Ni + Au (nickel-gold)
Material - Latch	Plastics
Material - Finish	Ni (nickel)

Environmental conditions

Temperature (min. - max.)	
Temperature - Storage °C	-40 - 70 °C
Temperature - Storage °F	-40 - 158 °F
Temperature - Operating °C	-40 - 70 °C
Temperature - Operating °F	-40 - 158 °F
Particulate ingress	IP2X
Liquid ingress/immersion	IPX0
Electromagnetic measurement	E$_2$

Certifications

GHMT Component	
GHMT component - Validity period	28.02.2019

Approvals

CE	compliant
RoHS	compliant
UL listed (file no.)	DUXR.E178484

METZ CONNECT GmbH | Im Tal 2 | 78176 Blumberg | Germany
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Weitere Dokumentation siehe / additional documentation see /
documentation supplémentaire voir www.metz-connect.com

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Data sheet
C6$_A$ RJ45 field plug pro 360

Page 5/6

P/N
130E405042-E
EAN 4250184175964

2018-15-03

Technical Data

The product meets the following standards

Generic cabling systems

General requirements	ISO/IEC 11801 Ed.2.2:2011-06 | DIN EN 50173-1:2011-09 TIA/EIA 568-C
Office buildings	ISO/IEC 11801 Ed.2.2: 2011-06 | DIN EN 50173-2: 2011-09 TIA/EIA 568-C
Industrial area	ISO/IEC 24702 | DIN EN 50173-3: 2011-09 TIA/EIA 1005
Living units	ISO/IEC 15018 | DIN EN 50173-4: 2011-09 TIA/EIA 570-B

Application-specific communications cabling systems

Profinet	yes
Industrial communication networks - Installation of communication networks in industrial premises	IEC 61918

Connectors for electronic equipment

Free and fixed connectors	IEC 60603-7-51

Connectors for electronic equipment - Tests and measurements

Test standard for connectors (plugging and removing connectors under electrical load)	DIN-EN 60512-99-001: 02-2013, DIN-EN 60512-99-002: 11-2015

Interference proof

Immunity for industrial environments	DIN EN 61000-6-2:2006-03

Emission proof

Electromagnetic emission for residential, commercial and light-industrial environments	DIN EN 61000-6-3:2011-09

Classifications

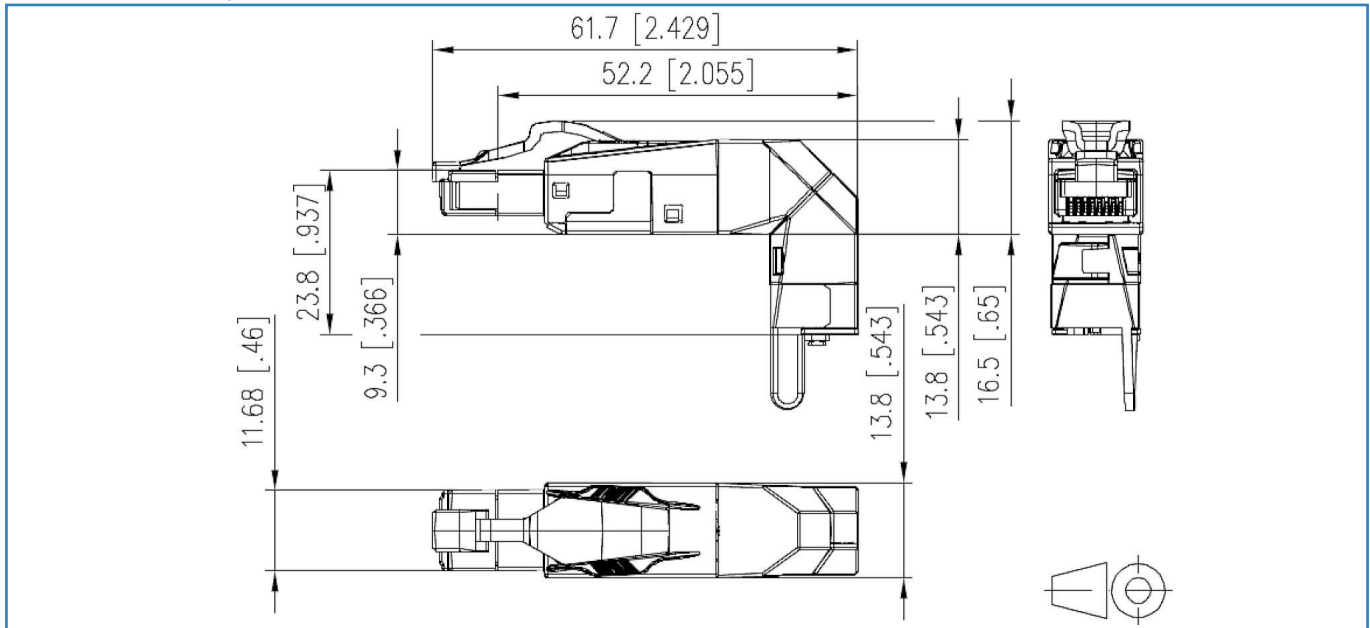|	
ETIM 5.0	EC001121
ETIM 6.0	EC001121

Packing details

Type of packaging	10 pc(s) / box
Packaging unit - Weight (gram)	413.00 g
Packaging unit - Weight (pound)	0.91 lb
Packaging dimension (W x H x D)	258.00 x 164.00 x 51.00 mm
Packaging dimension (W x H x D)	10.157 x 6.457 x 2.008 in.

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Illustrations

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