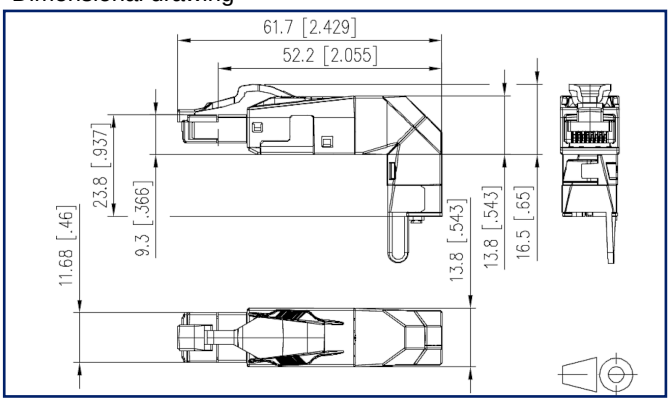
Data sheet

$C6_A$ RJ45 field plug pro 360 DNV

P/N
130E405042-DNV
EAN 4251122185212
2026/01/26
Version: V

Illustrations

Dimensional drawing



See enlarged drawings at the end of document

Product specification

- DNV GL Type Approval Certificate
- Application/limitation DNV location classes: Temperature: B, Humidity: B, Vibration: A, EMC: (n.A), Enclosure protection: A
- 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 0.409 to 0.64 mm
- transmission characteristics Cat.6_A according to ISO/IEC 11801
- compliance with class E_A according to ISO/IEC 11801, DIN EN 50173-1
- degree of protection IP20
- for cable jacket from 5.50 to 9.50 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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Weitere Dokumentation siehe / additional documentation see / documentation supplémentaire voir www.metz-connect.com

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Technical Data

General Data	
Fields of application	Information technology - Application neutral communication cable systems Ships Offshore entities
Application area	The product is approved for installation on all ships classified by DNV GL.
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	plug
Shielding	shielded
Transmission technology	Copper
Color	black
Dimensions	
Dimension (L x W x H)	61.7 mm x 13.8 mm x 27.5 mm
Dimension (L x W x H)	2.429 in. x 0.543 in. x 1.083 in.
Field assembly ability	yes
Multi-port capability	yes
Labeling option	on housing
Application/limitation of location classes on ships	
Temperature	B
Humidity	B
Vibration	A
EMC	(n.A)
Housing protection	A

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

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Transmission characteristics	
UPoE	yes
4PPoE	IEEE 802.3bt
HDBaseT	yes
SAT-IP	yes
AVoverIP	yes
Transmission rate up to 100 MBit (Fast Ethernet)	IEEE 802.3bw
Transmission rate up to 10 GBit	IEEE 802.3an
Transmission rate up to 1 GBit (Fast Ethernet)	IEEE 902.3ab

Connections/interfaces	
Connector technology interface 1	IDC-connection
Connector technology interface 2	RJ45 plug
Number of ports interface 2	1
Number of ports interface 2 equipped	1
Number of positions/contacts interface 1	8
Number of positions/contacts interface 2	8P/8C
Termination data, solid wire (min. - max.)	
Conductor cross section, solid wire	AWG 26/1 - AWG 22/1
Conductor cross section, solid wire	0.128 mm² - 0.324 mm²
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 27/7 - AWG 22/7
Conductor cross section, stranded wire	0.111 mm² - 0.355 mm²
Conductor diameter, stranded wire (bare copper)	0.457 mm - 0.762 mm
Conductor diameter, stranded wire (bare copper)	0.018 in. - 0.03 in.

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Connections/interfaces	
Aderdurchmesser (min.-max.)	
Core diameter (conductor with insulation)	1 mm - 1.6 mm
Core diameter (conductor with insulation)	0.039 in. - 0.063 in.
Cable sheath diameter (min. - max.)	
Cable sheath diameter	5.5 mm - 9.5 mm
Cable sheath diameter	0.217 in. - 0.374 in.
Cable access/outlet	variable, selectable (360°)
Reconnectibility	yes
Shield connection	flexible contact spring
Electrical characteristics	
Current carrying capacity	max. 1 A at 60 °C
Rated voltage	max. 60 V DC
Rated voltage UL	max. 56.5 V DC
Contact resistance	max. 20 mOhm
Insulation resistance	min. 500 MOhm
Dielectric strength conductor-conductor (secondary)	max. 1000 V DC
Dielectric strength conductor-conductor, peak value (secondary)	max. 1.000 V AC
Dielectric strength conductor-shield	max. 1500 V DC
Dielectric strength conductor-shield, peak value	max. 1500 V AC
Mechanical data	
Mounting method	snap-in function
Insertion and withdrawal force	max. 30 N
Life - Number of mating cycles	min. 750
Position/mounting of latch standard installation position	top
strain relief	latching clip

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Materials and material properties	
Material - Housing	GD-Zn
Material - Contact	CuSn
Material - Contact finish	Ni + Au (nickel-gold)
Material - Latch	Plastics
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
Certifications	
DNV certification	yes
Standards/Regulations	
Generic cabling systems	
General requirements	ISO/IEC 11801-1:2017-11 | DIN EN 50173-1:2018-10 ANSI/TIA-568.2-D
Office buildings	ISO/IEC 11801-2:2017-11 | DIN EN 50173-2:2018-10 ANSI/TIA-568.2-D
Living units	ISO/IEC 11801-4:2017-11 | DIN EN 50173-4:2018-10 ANSI/TIA-570-D
Distributed building services	ISO/IEC 11801-6:2017-11 | DIN EN 50173-6:2018-10 ANSI/TIA-862-B
Application-specific communications cabling systems	
Profinet	yes
Industrial communication networks Installation in industrial premises	IEC 61918

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Standards/Regulations

Connectors for electronic equipment	
Free and fixed connectors	DIN EN 60603-7-51:2011-01, DIN EN 60603-7:2019-11, DIN EN 60603-7-1:2012-01
Connectors for electronic equipment - Tests and measurements	
Test standard for connectors (engaging and separating connectors under electrical load)	DIN-EN 60512-99-001, DIN-EN 60512-99-002
Endurance tests	DIN EN 60603-7:2019-11, DIN EN 60603-7-1:2012-01
Environmental tests according to DNV GL	CG-0339

Classifications

ETIM 7.0	EC001121
ETIM 8.0	EC001121
ETIM 9.0	EC001121
ETIM 10.0	EC001121

Packing details

Type of packaging	10 pc(s) / box

Application note

This product is a standard product of METZ CONNECT. METZ CONNECT is not aware of the specific intended use of the goods by the Customer or any customers of the Customer. The Customer guarantees that it has fully and sufficiently tested the use of the goods and any product modifications, product changes or product enhancements with regard to the specific intended use in accordance with the state of the art or in any other way. At METZ CONNECT's request, the Customer shall submit and make available meaningful evidence (e.g. test and laboratory protocols, certifications, etc.).

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