

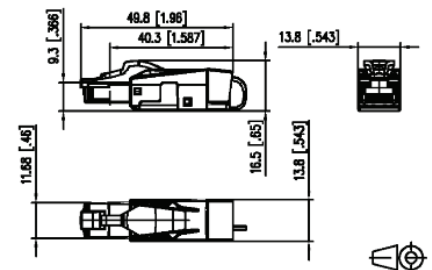
PART NUMBER MET-130E405032-E

C6_A RJ45 FIELD PLUG PRO

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PRODUCT SPECIFICATIONS

- CAT.6_A CLASS E_A RJ45 PLUG TO BE ASSEMBLED IN THE FIELD
- FULLY SHIELDED AND MULTI-PORT CAPABLE
- STRAIGHT (180°) CABLE FEED
- EASY ASSEMBLY - CONNECTION WITHOUT SPECIAL TOOLS
- WIRE CONNECT.: STRANDED WIRE AWG 27/7 TO 22/7, WIRE DIAMETER FROM 0.46–0.76 MM
- WIRE CONNECT.: SOLID WIRE AWG 26/1 TO 22/1, WIRE DIAMETER FROM 0.4–0.64 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 DIAMETER FROM 5.5 TO 10.5 MM
- ZINC DIE-CAST HOUSING FOR INDUSTRIAL USE CONSISTS OF ONLY 2 PARTS
- STRAIN RELIEF BY LATCHING CLIP DIRECTLY ON THE STUFFER CAP
- PROTECTED LOCKING HOOK
- RECONNECTABLE



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)	49.80 X 13.8 X 16.50 MM
DIMENSION (L X W X H)	1.961 X 0.543 X 0.65 IN.
FIELD ASSEMBLY ABILITY	YES
MULTI-PORT CAPABILITY	YES
LABELING OPTION	ON HOUSING
MARKING OPTION	BY LATCHING CLIP

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

CONNECTION/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

TECHNICAL DATA – continued**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 MM ²
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 MM ²
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

180°

RECONNECTIBILITY

YES, IF CROSS SECTION IS GREATER OR THE SAME

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)	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 INSTALL. POSITION	TOP
STRAIN RELIEF	LATCHING CLIP

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	-40 - 85 °C / -40 - 185 °F
TEMPERATURE - OPERATING	-40 - 85 °C / -40 - 185 °F
PARTICULATE INGRESS	IP2X
LIQUID INGRESS/IMMERSION	IPX0
ELECTROMAGNETIC MEASUREMENT	E ₂

CERTIFICATIONS

GHMT COMPONENT, GHMT COMPONENT - VALIDITY PERIOD	28.02.2019
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APPROVALS

CE & ROHS	COMPLIANT
UL LISTED (FILE NO.)	DUXR.E178484

TECHNICAL DATA – continued**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
RAILWAY APPLICATIONS	
ELECTRONIC EQUIPMENT USED ON ROLLING STOCK	DIN EN 50155
FIRE PROTECTION ON RAILWAY VEHICLES	DIN EN 45545-2

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