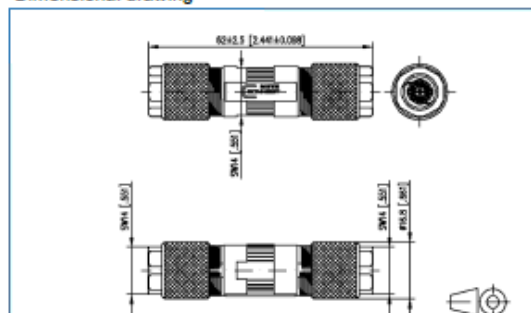


Cable Connector Cat.7A IP67
Metz Connect

Drawing no.
BTR13086302E



Dimensional drawing



Product specification

- Cable connector for field assembly Class Fa 8 wire cables
- To connect, extend, repair, relocate copper data cables up to Cat.7a
- Complies to Class Fa up to 1000Mhz according to ISO/IEC 11801 Ed.2.2:2011-06 in connection with Cat.7a copper cable
- GhmT certified to ISO/IEC 11801 Ed.2.2:2011-06 and IEC61156-5 Ed2.1:2012-12
- Suitable for 10Gbit Ethernet (IEEE 802.3an), Remote powering (PoE, PoE+ and UPoE) and HDBaseT
- Compact design, diameter 16,8mm x length 64mm
- IP67 protected housing in combination with IP67 appropriate cables
- Refined zinc die-cast housing
- Easy and fast assembly without special tools
- Shield connection and strain relief integrated
- Suitable for solid wire AWG 26/1 to AWG 22/1 and stranded wire AWG 26/7 to AWG 22/7
- Solid copper wire diameter 0,4 to 0,64mm
- Stranded wire diameter 0,48 to 0,76mm
- Conductor diameter up to 1,6mm
- Suitable for cables with an overall diameter of 5,0 to 9,7mm
- Fully shielded version according to DIN EN50173-1

General Data

Design	Cable Connector
Shielding	Shielded
Transmission technology	Copper
Color	Metallic
Dimensions	LxWxH 62,6 x 16,8 x 16,8mm
Weight	27,0 gr
Field assembly ability	Yes

Transmission characteristics

Class (ISO/IEC)	Fa (with cable lengths of 20m and above on the left and right side of the connector)
Remote Powering	Yes
PoE	IEEE 802.3af
PoE+	IEEE 802.3at
UPoE	Yes
HDBaseT	Yes
Transmission rate up to 10Gbit	IEEE 802.3an

Connections/interfaces

Connection technology interface 1	IDC-Connection
Connection technology interface 2	IDC-Connection
Wire termination, solid wire	Cross section AWG 26/1 to AWG22/1, (0,128 - 0,324mm ²), (0,409 - 0,643 mm)
Wire termination, stranded wire	cross section AWG 26/7 to AWG22/7, (0,141 - 0,355mm ²), (0,483 - 0,762 mm)
Core diameter with insulation	1,6mm
Cable outer diameter	5,0 to 9,7mm
Cable access/outlet	180c
Reconnectibility	Yes

Material and material properties

Housing	GD-Zn (zinc die cast)
Housing finish	Ni (nickel)
Insulation displacement contacts	CuSn (tin bronze)
Finish of contacts	Sn (tin)
Material shield & finish	CuSn (tin bronze) + Sn (tin)
Material Stuffer Cap	PA UL94-V0

Environmental conditions

Temperature range, Storage	Min/max: -40C° to 85C°
Temperature range, operating	Min/max: -25C° to 85C°
Particulate ingress	IP6X
Liquid ingress/immersion	IPX7 (When combined with cables suitable for IP67 and a cable jacket dia. Of 6,2-9,7mm
Overvoltage category	II
Pollution degree	1

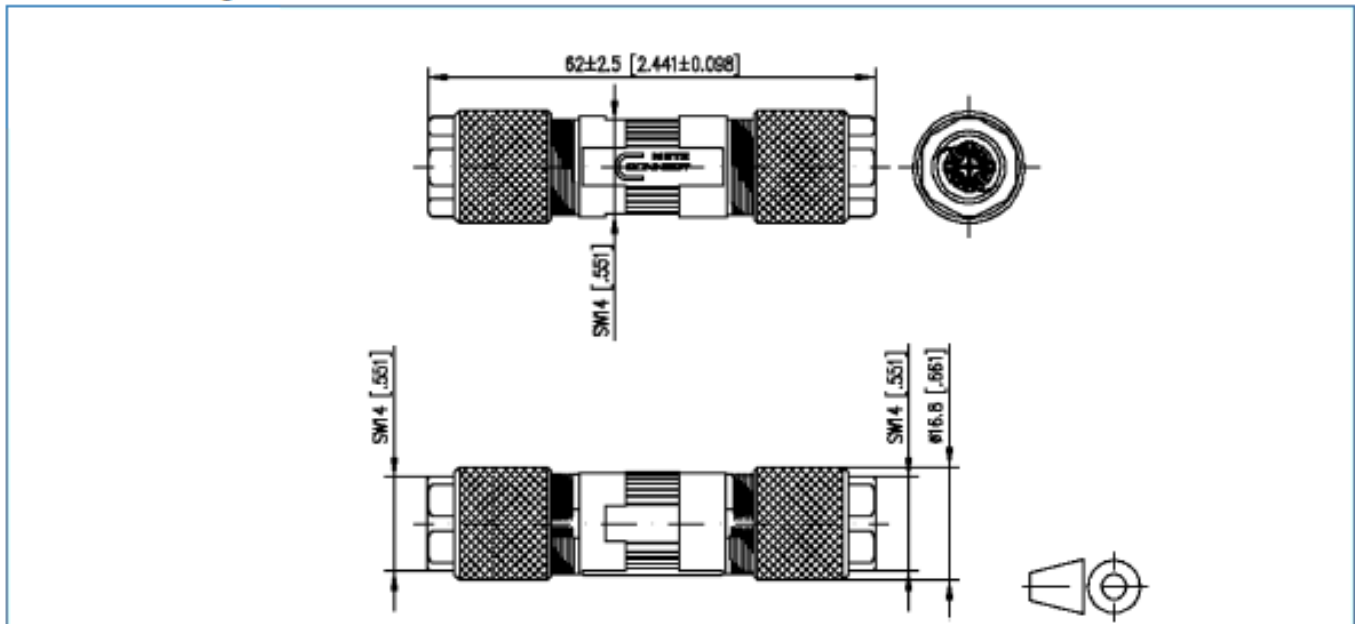
Technical Data

CE	Compliant
RoHS	Compliant
UL Listed (file no)	DUXR.E178484
Standards	ISO/IEC11801 Ed.2.2:2011-06 (DIN EN50173-1)
Electronic equipment used on rolling stock	DIN EN50155
Fire protection in railway vehicles	DIN EN45545-2
ETIM Classification	5.0: EC001121 / 6.0: EC001121
Packaging dimension	WxHxD 1,0 x 0,78 x 0,2mm
Type of packing	1 pc / blister packaging

Identification no.

Manufacture	METZ CONNECT GmbH
Art nr.	130 863-02-E

Dimensional drawing



Ordering information

Order no.	EAN Code	Description	Colour	Packsize
BTR13086302E	4250184159247	Cable Connector Cat.7A, IP67	Silver	1 pcs