

MIXO inserts for multipole connectors for fibre optic and coaxial contacts.

LWL contacts according to CECC 78 001-801 (former DIN 41 626 part 3) for 1 / 2.2 mm POF (Polymer Optical Fibre) and 1.5 / 2.3 MOST (Media Oriented System Transport) optical fibre.

Coaxial contacts (DIN 41 626) 50 ohm and 75 ohm.

The new MIXO insert allows the use of contacts for fibre optic and contacts for coaxial cables.

To protect against EMC-problems (electromagnetic interference) and for the realization of galvanic separations on BUS applications of PROFINET/Ethernet fields, solutions with optical fibres are recommended.

Fibre optic connectors are many industrial applications, particularly, modern railway vehicles, converters, wind energy, naval equipments and robots.

The new connectors can be used in applications from -40 °C up to +85°C even in case of frequent temperature variability.

The inserts can be mounted in CX .. TF/TM frames and in the relative enclosures for industrial applications to achieve IP65/66/67/68/69K degree of protection (according to the required versions). The realization of mixed connectors electrical/optical are also possible.



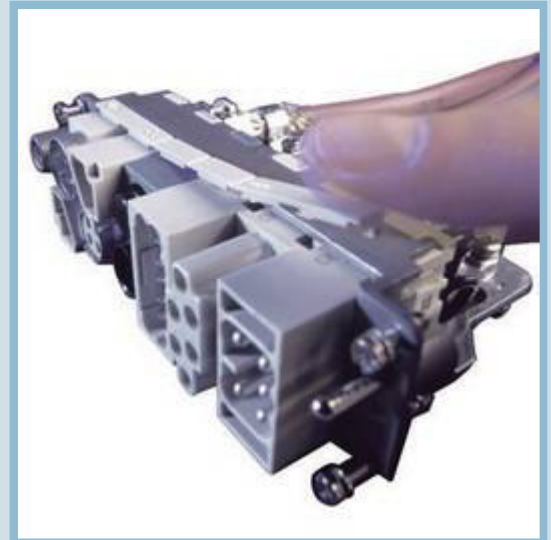
These new inserts have the same features as the standard MIXO series with easy module fixing system.

On request we may provide also POF (Ø 2.2 mm external diameter, Ø 1.0 mm fibre) and MOST-POF (Ø 2,3 mm external diameter, Ø 1.0 mm fibre) contacts for use at higher temperatures and high temperature variations.

For further optical fibre versions, please contact us.

To assemble the contacts it is needed to cut and strip the cable, to crimp the contact (even gluing is possible) and then to grind the fibre tip protruding from the contact.

In the same MIXO insert it is also possible to use coaxial connectors for 50 ohm (RG 316/U, RG 174/U and RG 188 A/U) and 75 ohm (RG 179 B/U, RG 187 A/U and TZC 75 101) cables.

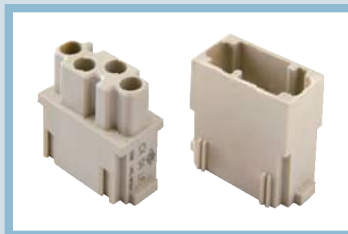


To remove both male and female contacts please use the correct extraction tool.

CECC 78 001-801 contacts
(DIN 41 626, part 3)



Mixo insert
for 4 optical fibre contacts



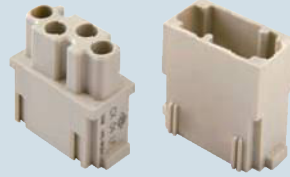
DIN 41 626 contacts



the modular inserts must be installed in suitable frames which are then mounted in traditional housings or COB panel support

frames for modular units page: 194 - 195

modular units,
crimp connections



NEW

POF / MOST crimp contacts



NEW

description	part No.	part No.
without contacts (to be ordered separately) - female inserts for female contacts - male inserts for male contacts	CX 04 LF CX 04 LM	
female contacts POF * 1.0 mm male contacts POF * 1.0 mm		CX PLF CX PLM
female contacts MOST ** 1/1.5 mm male contacts MOST ** 1/1.5 mm		CX MLF CX MLM

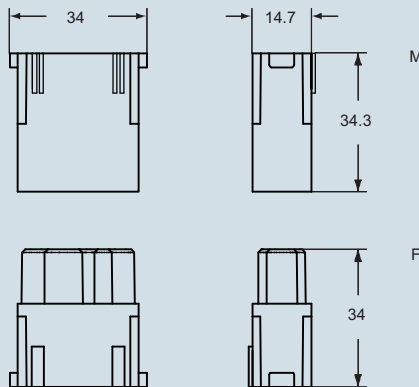
* POF = POLYMER OPTICAL FIBRE
** MOST = MEDIA ORIENTED SYSTEM TRANSPORT

- ambient temperature limit: -40 °C ... +85 °C
- inserts are made of self-extinguishing thermoplastic resin UL 94 V0
- mechanical life: ≥ 500 cycles
- max external diameter: 2.2 mm (POF)
2.3 mm (MOST)
- polymer fibre diameter: 1.0 mm (POF)
1/1.5 mm (MOST)
- attenuation: < 2.5 dB
- to crimp contacts CX PLF / PLM and CX MLF / MLM please use tool CLPZ R (see the crimping tool section on page 488)

We recommend to use CLASS enclosures with two levers or V-Type enclosures (with one or two levers) that provides a higher coupling depth due to the higher locking force they produce. We further suggest the use of code pins CRF CX / CRM CX.

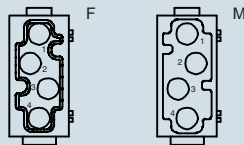
dimensions in mm

CX 04 LF / LM



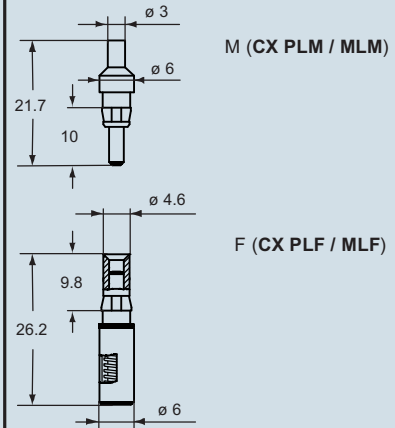
contacts side (front view)

side with reference arrow ▲

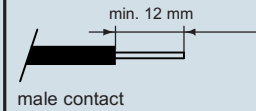


- 1 frame slot

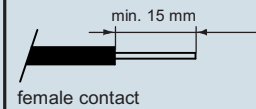
dimensions in mm



cable stripping for fibre optic



male contact



female contact

dimensions shown are not binding and may be changed without notice

enclosures: page:
size "21.21"

insulating type
(CK IN, CKG/MKG VN) 458-459 *

metallic type
(CKAX I, CKAG/MKAG V) 460-461 *

IP68
(CGK I, CGK/MGK IAP,
CGK/MGK V) 372-373 *

* refer to catalogue page CN.12

adaptor insert for SC connectors



NEW

AVAILABLE

crimp FO contacts



NEW

AVAILABLE

description

part No

part No

adaptor insert with seats for 4 SC contacts
- female insert with ceramic sleeve
- female insert with metallic sleeve
- male insert

CLK 04 SCF
CLK 04 SCF-H
CLK 04 SCM

SC contact for G I F BRE 50/125 µm or 62.5/125 µm
SC contact for 1 mm POF

CL 125 SC
CL POF SC

- adaptor insert fitted with fixing screw and gasket suitable for installation in enclosures (see pages 372 373 460 461 catalogue CN 12)
- adaptor insert designed to be used with SC contacts
- SC contact for S F BRE (HCS®) 200/230 µm (on request)

dimensions in mm

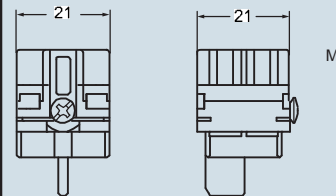
dimensions in mm

- base equipment for SC contact G F BRE

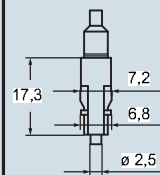
CLKZ 125 SC

if this application is required please contact LME SpA

CLK 04 SCF, CLK 04 SCM



CL 125 SC

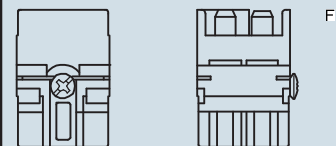


- supplementary set for POF

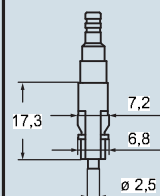
CLKZ POF

(to be ordered with CLKZ 125 SC)

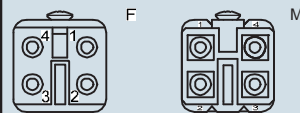
if this application is required please contact LME SpA



CL POF SC



contacts side (front view)



dimensions shown are not binding
and may be changed without notice

SC duplex patch cord



**AVAILABLE
3rd QUARTER 2014**

description	part No	(L) metre
SC duplex patch cord for GL fibre E9/125 2 0 m	CW 1 SC9	1
	CW 2 SC9	2
	CW 3 SC9	3
	CW 5 SC9	5
	CW 10 SC9	10
SC duplex patch cord for GL fibre E50/125 OM2	CW 1 SC50	1
	CW 2 SC50	2
	CW 3 SC50	3
	CW 5 SC50	5
	CW 10 SC50	10
SC duplex connector for GL fibre G62 5/125 OM1	CW 1 SC62	1
	CW 2 SC62	2
	CW 3 SC62	3
	CW 5 SC62	5
	CW 10 SC62	10

- operating temperature from -5 °C ÷ +55 °C
- storage temperature from -30 °C ÷ +70 °C
- installation temperature from -5 °C ÷ +50 °C
- flame retardancy EC 60332-1
- halogen-free acc. to EC 60754-2

dimensions shown are not binding
and may be changed without notice