

CX 01 B / CX 04 B

10 A 50 V

1 pole + shield
4 poles + shield

Crimp connection

EN 61984 rating	10 A 50 V 0,8 kV 3
Rated voltage (UL / CSA)	50 V
Insulation resistance	≥ 10 GΩ
Contact resistance	CX 01 B ≤ 3 mΩ CX 04 B ≤ 3 mΩ
Ambient temperature limit	-40 °C ... +85 °C
Mechanical life (cycles)	≥ 500



CALUS ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	Dimension
	Male inserts, 1 contact seat Shielded BUS coaxial	CX 01 BM	
	Male inserts, 4 contacts seat Shielded BUS coaxial	CX 04 BM	
	2 cable clamp included in the package		
	Female inserts, 1 contact seat Shielded BUS coaxial	CX 01 BF	
	Female inserts, 4 contacts seat Shielded BUS coaxial	CX 04 BF	
	2 cable clamp included in the package		

	10 A crimp contacts		Male	Female	
	section (mm ²)	section (AWG)			
	0,14-0,37	26-22	silver	CDMA 0.3	CDFA 0.3
	0,5	20		CDMA 0.5	CDFA 0.5
	0,75	18		CDMA 0.7	CDFA 0.7
	1	18		CDMA 1.0	CDFA 1.0
	1,5	16		CDMA 1.5	CDFA 1.5
	2,5	14		CDMA 2.5	CDFA 2.5
	0,14-0,37	26-22	gold	CDMD 0.3	CDFD 0.3
	0,5	20		CDMD 0.5	CDFD 0.5
	0,75	18		CDMD 0.7	CDFD 0.7
	1	18		CDMD 1.0	CDFD 1.0
	1,5	16		CDMD 1.5	CDFD 1.5
	2,5	14		CDMD 2.5	CDFD 2.5

Wiring information, CD contacts

conductor section (mm ²)	conductor slot ø A (mm)	stripping length B (mm)
0,14-0,37	0,9	8
0,5	1,1	8
0,75	1,3	8
1,0	1,45	8
1,5	1,8	8
2,5	2,2	6

Wire diameter: up to 3,8 mm.

For basic or high thickness gold plating, please refer to page F.16.

It is recommended to use the crimping tools and removal tools homologated by ILME (please see page F.23)

Materials

Insert	polycarbonate (PC), zinc-alloy shield
UL 94 flame rating	V-0
Colour (contacts holder)	pebble grey, RAL 7032
Contacts	copper alloy, silver and gold plated

Coaxial connector **CX 01 B** cables with a typical impedance of 75 Ω (attenuation see below).

CX 04 B multiaxial connector for STP cables with 2 pairs and terminations compliant with EN 50173-1 Cat. 5 (100 MHz), compatible with 4-wire field bus protocols.

Test performed in accordance with IEC/EN 60512-25-2 (2002), 4.1.3.2 (coaxial cable only) and 4.2.2.2 (coaxial cable and connector).

Attenuation (insertion loss) 75 Ω coaxial connector (CX 01 BF)

- RG 11 A/U cable and CX 01 B connector (75 Ω)
- RG 11 A/U cable (75 Ω)

