

CB L12FS/L12FS-xM-GG-PUR

Verbindungsleitung für Aktoren, Sensoren und Beleuchtungen von Visoren
360° geschirmte Ausführung,
schleppkettene geeignet



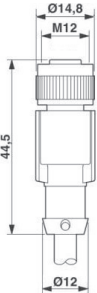
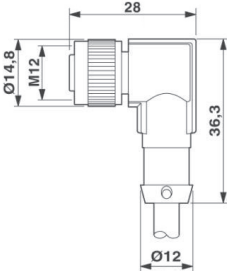
Vibrationsbeständig, schleppkettene geeignet,
robotikgeeignet, ölbeständig,
säure- u. laugenbeständig, ozon- u. UV-beständig,
hydrolysefest, seewasserbeständig, flammwidrig,
schweißfunkenfest, recyclingfähig, RoHS-konform,
halogenfrei, silikonfrei, LABS-frei



068-14959 13.01.2023-00

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ALLGEMEINE DATEN (TYP.)		SEITE A	SEITE B
Typ	Verbindungsleitung für Aktoren, Sensoren und Beleuchtungen von Visoren		
Länge	0,35 m / 0,5 m / 2 m / 10 m / 15m		
Anschluss	M12	M12	
Polzahl	12	12	
TECHNISCHE DATEN (TYP.)			
Art des Steckerkontaktes	M12 Buchse	M12 Buchse	
	Gerade / 90 ° gewinkelt (siehe Auswahltable)	Gerade / 90 ° gewinkelt (siehe Auswahltable)	
Kodierung der Steckverbinder	A	A	
Mechanische Lebensdauer	≤ 100 Steckzyklen	> 100 Steckzyklen	
Außendurchmesser Leitung	6 mm		
Leiteranzahl x Leiterquerschnitt	12 x 0,14 mm²		
Schirmung	✓ 360 ° Kontaktierung		
Anzugsdrehmoment	1 Nm		
UMGEBUNGSBEDINGUNGEN (TYP.)			
Schleppklettene geeignet	✓		
Robotikgeeignet	✓		
Biegezyklen [Mio.]	1		
Temperaturbereich fest / bewegt / Schleppkette	-40 ... +90 °C / -30 ... +90 °C / -25 ... +60 °C		
Biegeradius fest / bewegt	30 mm / 60 mm		
Schutzart montiert	IP 65, IP 67, IP 68		
Verschmutzungsgrad	3		
WERKSTOFFE (TYP.)			
Material Gehäuse, Griffkörper	TPU		
Material Kontaktträger	TPU		
Kontaktmaterial Oberflächenveredelung	CuZn, vergoldet		
Material (Mutter) Verschraubung	CuZn, vernickelt		
Material Dichtung	FPM / FKM		
Steckerfarbe (Gehäusefarbe)	Schwarz		
Material Mantel	PUR		
Leitungsfarbe	Schwarz		
Halogenfrei	✓		
ELEKTRISCHE DATEN (TYP.)			
Nennstrom (40 °C)	1,5 A		
Nennspannung	≤ 300 V (Leitung)		
Bemessungsspannung	30 V		
Isolationswiderstand	≥ 10 MΩ		
Durchgangswiderstand	≤ 5 mΩ		

MASSBILD		PINBELEGUNG	
Seite A / B	Seite A / B	Seite A	Seite B
M12 gerade	M12 90 ° gewinkelt	M12	M12
		 1 = BN 2 = BU 3 = WH 4 = GN 5 = PK 6 = YE 7 = BK 8 = GY 9 = RD 10 = VT 11 = GY/PK 12 = RD/BU	 1 = BN 2 = BU 3 = WH 4 = GN 5 = PK 6 = YE 7 = BK 8 = GY 9 = RD 10 = VT 11 = GY/PK 12 = RD/BU

BESTELLBEZEICHNUNG	ARTIKEL-NR.	BESCHREIBUNG	LEITUNGSLÄNGE
CB L12FS/L12FS-0,35m-GG-PUR	902-51841	M12, 12-polig, gerade auf M12, 12-polig, gerade	0,35 m
CB L12FS/L12FS-0,5m-GG-PUR	902-51806		0,5 m
CB L12FS/L12FS-2m-GG-PUR	902-51807		2 m
CB L12FS/L12FS-10m-GG-PUR	902-51854		10 m
CB L12FS/L12FS- 15m-GG-PUR	902-51855		15 m
CB L12FS/L12FS-0,35m-WW-PUR	902-51842	M12, 12-polig, 90 ° gewinkelt auf M12, 12-polig, 90 ° gewinkelt	0,35 m
CB L12FS/L12FS-0,5m-WW-PUR	902-51808		0,5 m
CB L12FS/L12FS-2m-WW-PUR	902-51809		2 m

Data sheet

CB L12FS/L12FS-xM-GG-PUR

Adapter lines for actuators and sensors and for illumination of visors
shielded 360, with self-locking threaded joints,
suitable for drag chains



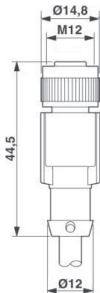
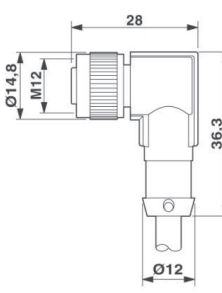
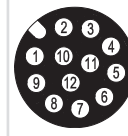
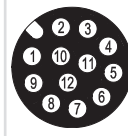
Vibration resistant, suitable for drag chains
and robotic applications, oil-resistant,
acid- and alkali-resistant, ozon and UV-resistant,
hydrolysis resistant, sea water resistant,
flame retardant, welding spark proof, recyclable,
RoHS compliant, halogen-free, silicone free, LABS-free



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GENERAL DATA (TYP.)		SIDE A	SIDE B
Typ	Adapter lines for actuators and sensors and for illumination of visors		
Length	0,35 m / 0,5 m / 2 m / 10 m / 15 m		
Connection	M12	M12	
Number of poles	4	4	
TECHNICAL DATA (TYP.)			
Type of plug contact	M12 female	M12 female	
	Straight / 90 ° angled (see selection table)	Straight / 90 ° angled (see selection table)	
Coding of the connectors	A	A	
Mechanical life	≤ 100 mating cycles	> 100 mating cycles	
Outer diameter cable	6 mm		
Number of conductors x cross section	12 x 0,14 mm²		
Shielding	✓ 360 ° bonding		
Tightening torque	1 Nm		
ENVIRONMENTAL CONDITIONS (TYP.)			
Suitable for drag chains	✓		
Suitable for Robotics	✓		
Bending cycles [Mio.]	1		
Temperature range fixed / moved / drag chain	-40 ... +90 °C / -30 ... +90 °C / -25 ... +60 °C		
Bending radius fixed / moved	30 mm / 60 mm		
Degree of protection (IP) mounted	IP 65, IP 67, IP 68		
Pollution degree	3		
MATERIALS (TYP.)			
Material housing, handle body	TPU		
Material contact carrier	TPU		
Contact material surface finishing	CuZn, gold plated		
Material (nut) screw connection	CuZn, nickel plated		
Material sealing	FPM / FKM		
Connector color (housing color)	Black		
Material cable	PUR		
Cable color	Black		
Halogen-free	✓		
ELECTRICAL DATA (TYP.)			
Rated current (40 °C)	1,5 A		
Nominal voltage	30 V		
Rated voltage	≤ 300 V (Line)		
Insulation resistance	≥ 10 MΩ		
Contact resistance	≤ 5 mΩ		

DIMENSION DRAWING		PIN ASSIGNMENT	
Side A / B	Side A / B	Side A	Side B
M12 straight	M12 90 ° angled	M12	RJ 45
 Ø14,8 M12 44,5 Ø12	 28 Ø14,8 M12 36,3 Ø12	 1 = BN 2 = BU 3 = WH 4 = GN 5 = PK 6 = YE 7 = BK 8 = GY 9 = RD 10 = VT 11 = GY/PK 12 = RD/BU	 1 = BN 2 = BU 3 = WH 4 = GN 5 = PK 6 = YE 7 = BK 8 = GY 9 = RD 10 = VT 11 = GY/PK 12 = RD/BU

PART CODE	ARTICLE NUMBER	DESCRIPTION	CABLE LENGTH
CB L12FS/L12FS-0,35m-GG-PUR	902-51841	M12, 12-pin, straight to M12, 12-pin, straight	0,35 m
CB L12FS/L12FS-0,5m-GG-PUR	902-51806		0,5 m
CB L12FS/L12FS-2m-GG-PUR	902-51807		2 m
CB L12FS/L12FS-10m-GG-PUR	902-51854		10 m
CB L12FS/L12FS- 15m-GG-PUR	902-51855		15 m
CB L12FS/L12FS-0,35m-WW-PUR	902-51842	M12, 12-pin, 90 ° angled to M12, 12-pin, 90 ° angled	0,35 m
CB L12FS/L12FS-0,5m-WW-PUR	902-51808		0,5 m
CB L12FS/L12FS-2m-WW-PUR	902-51809		2 m