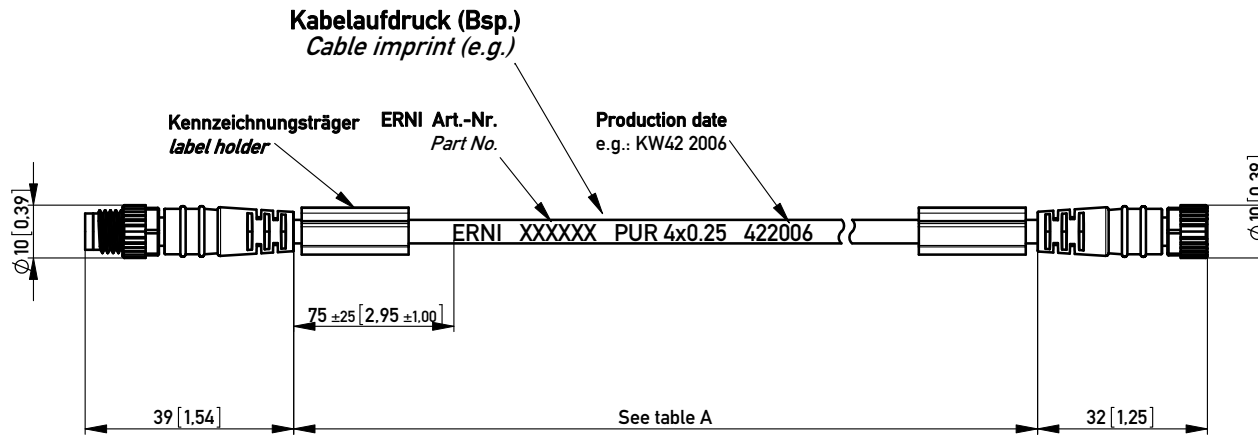


TECHNISCHE SKIZZE / *Technical sketch*



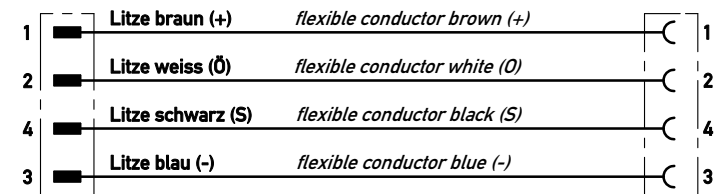
Ansicht: Steckgesicht; Kontaktbelegung /
View: mating face; pin assignment



BAUTEILE / FERTIGUNGSHINWEISE
Piece parts / Manufacturing notices

- Kabelaufdruck mittels Tintenstrahldrucker entspr. Techn. Skizze
Cable imprint with ink-jet printer see technical sketch
- Gute Chemikalien- und Ölbeständigkeit (Ölbeständigkeit gilt nicht für den Einsatz mit PVC-Kabel). Beim Einsatz aggressiver Medien ist die Materialbeständigkeit applikationsbezogen zu überprüfen.
Good chemical and oil resistance (parts with PVC-cable are not resistant). When using aggressive media, material resistance based on application must be checked.

STROMLAUFPLAN / *Schematic diagram*



SPECIFICATIONS Circular Connector

Technical Specifications	Standard applic.	Value
Housing:		M8 male, straight, black - M8 female, straight, black
Pin assignment:		4 pin
Coding:		A-coding
Connection:		Screw locking
LED:		M8x1mm (0.4 Nm)
Packaging:		- 1 piece per bag

Electrical Data	Standard applic.	Value
Rated (nominal) voltage; max.	IEC 61-076-2-101	30 V AC/DC
Rated current; per contact, max.	IEC 61-076-2-101	4 A
Rated impulse voltage	IEC 61-076-2-101	0.8 kV

Approvals	Standard applic.	Value
Protection class	(mated and locked) IEC 60529	IP67
Pollution degree		3
Insulation category	IEC 60664-1	I
RoHS compliant		Yes

Materials & Finish	Standard description	Value
Contact material:		
a) male	CuZn39Pb3F50	
b) female	CuNi25i HV160U	
Contact finish, mating zone:		
a) male	Thickness of plating	0.5 µm Au over 2 µm Ni
b) female	Thickness of plating	0.8 µm Au (partial)
Screw material:	Standard description	Zinc pressure die casting
Screw plating:	Standard description	Ni 4-6 µm

Cable (additional info see table)	Value
Jacket color	black
Conductor cross-section	4 x 0.25 mm ²
Bending radius min.	10 x jacket diameter

Artikel-Nr. Part No.	Leitungslänge (A) Cable length (A)	Kupfergewicht Copper weight	Kabelmantel Jacket material	Außendurchmesser Jacket diameter	Aderisolation Wire isolation	Zul. Temp.-Bereich für Kabel Permissible temp. for cable
223777	300 +30 mm [11.81 +1.2 in]	4 g	PUR (UL/CSA)	4,4 mm ±5% [0.173 in ±5%]	PP	-25... +80 °C
	600 +60 mm [23.62 +2.4 in]	8 g				
	1.000 +100 mm [39.37 +4 in]	12 g				
	1.500 +100 mm [59.05 +4 in]	17 g				
223776	300 +30 mm [11.81 +1.2 in]	4 g	PVC	4,7 mm ±5% [0.185 in ±5%]	PVC	-5... +70 °C
	600 +60 mm [23.62 +2.4 in]	8 g				
	1.000 +100 mm [39.37 +4 in]	12 g				
	1.500 +100 mm [59.05 +4 in]	17 g				
	2.000 +100 mm [78.74 +4 in]	22 g				

Information:	Tolerances	Scale 1:1	Designation CCCS M8, 4pin / M8, 4pin
	All rights reserved. Only for Information. To ensure that this is the latest version of this drawing, please contact one of the ERNI companies before using.	Subject to modification without prior notice. Drawing will not be updated.	
www.ERNI.com		224898	I A3
Index	Date 24.05.2007	Class	CCCS

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