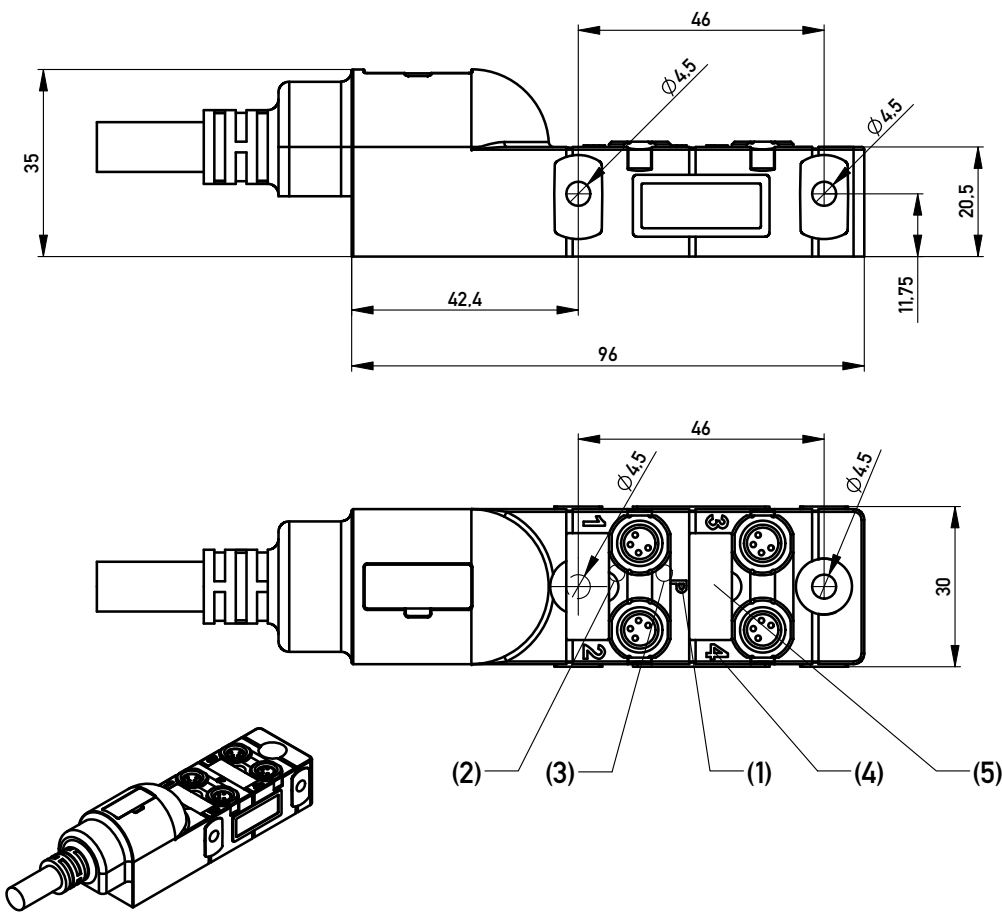




Technical Specifications

Standard applic.

Coding:	N.A.
Connection:	Screw locking M8 x 1 mm (0,4 Nm)
Packing:	Bag / 1pcs.
Materials & Finish	
Housing	Standard description TPU Elastollan 1185A
Core / parts of housing	Standard description PA6 Ultramid B3VM 602
Insulation body	Standard description PA6T/66 Zytel HTNFR52G30BL
Contact material (female contact):	Standard description Cu/Ni2Si HV100U
Contact finish, mating zone:	Thickness of plating Cu/Ni 1µm Pd 0,5µm Au 0,1µm
Gasket	Standard description TPU Elastollan 1185A

Cable

Jacket material	Standard description PUR/PVC (UL/CSA)
Jacket color	grey (RAL7040)
Wire insulation	Standard description PVC
Drag chain data	Bending radius at flexible usage: min. 10 x cable diameter min. bending cycles: 2 Mio. at max. speed of 2 m/sec. fixed installation: -30 °C to +80 °C flexible installation: -5 °C to +80 °C
Temperature range (cable)	

Electrical Data

Rated (nominal) voltage	IEC 61-076-2-101	24 V DC (18 V ... 30,2 V DC)
Rated current	IEC 61-076-2-101	2 A
Total current	max.	10 A
Rated impulse voltage	IEC 61-076-2-101	0,8 kV
Contact resistance	max.	5 M Ohms
Insulation resistance	min.	1000 m Ohms

Approvals

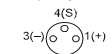
Protection class (mated and locked)	IEC 60529	IP65, IP67
Pollution degree		3
Insulation category	IEC 60644-1	III
RoHS compliant		Yes
UL flammability		UL 94 HB

Environmental Conditions

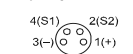
Vibration	EN 60068-2-6	5 Hz ... 58 Hz; const. Amplitude 0,75 mm 58 Hz ... 500 Hz; const. Acceleration 10g Frequency changing: 10Oct./min Number of cycles: 20 Half sine shock Acceleration 30 g, Duration 11ms Number of shocks 3 per axis and direction
Shock	EN 60068-2-27	

Kontaktbelegung M8 / contact assignment M8 sockets

3-polig / 3 pin



4-polig / 4 pin



S, S1 = Signal 1 / signal 1
S2 = Signal 2 / signal 2

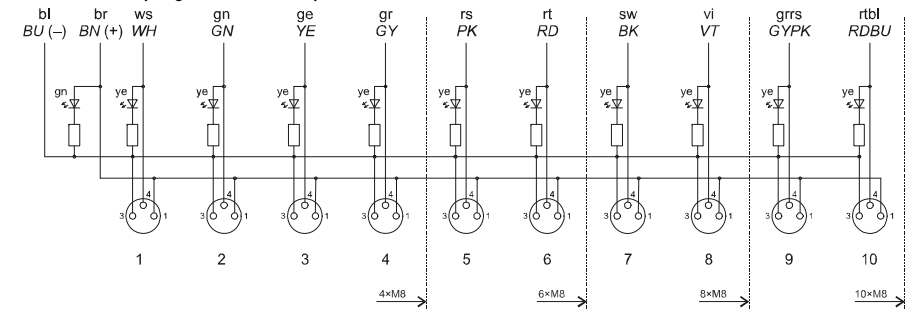
- (1) LED grün für Betriebsanzeige / LED green for operation display
- (2) LED gelb für Signal 1 (Kontakt 4) / LED yellow for Signal 1 (pin 4)
- (3) LED weiß für Signal 2 (Kontakt 2) / LED white for Signal 2 (pin 2)
- (4) Nummerierung Steckplatz / numbering socket
- (5) Kennzeichnungsschild / label plate

Anzugsdrehmoment / torque

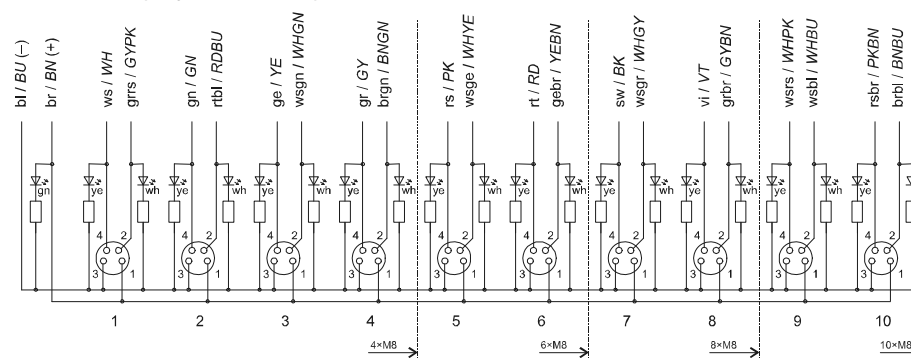
M12 Steckverbinder / connector 0,4 Nm +0,1 Nm
M4 Befestigungsschraube / fastening screw 0,8 Nm -0,2 Nm

Prinzipschaltbild / schematic diagram:

M8 Buchsen 3-polig / M8 sockets 3 pin



M8 Buchsen 4-polig / M8 sockets 4 pin



Part No.	Pin count	Cable length	Copper weight	LED (Input current)	Jacket diameter	Conductor cross-section
354855	3 pin	3 m	87 g	green (7 mA) yellow (4.1 mA)	7,6 ±0,2	4 x 0,34 mm ² + 2 x 0,75 mm ²
		5 m	141 g			
		10 m	278 g			
		15 m	414 g			
354856	4 pin	3 m	128 g	green (7 mA) yellow (4.1 mA) white (1.5 mA)	9,2 ±0,2	8 x 0,34 mm ² + 2 x 0,75 mm ²
		5 m	208 g			
		10 m	409 g			
		15 m	610 g			

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Information:				Tolerances		 All Dimensions in mm [in]		Scale 1:2	
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						I/O Box (passive) 4 x M8 Sockets			
						223928			
-		06.06.2008		 www.ERNI.com		(1/1)		A3	
Index		Date				Class			