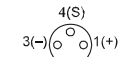


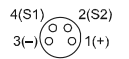
- (1) LED grün für Betriebsanzeige / LED green for operation display
- (2) LED gelb für Signal 1 (Kontakt 4) / LED yellow for Signal 1 (pin 4)
- (3) LED weiß für Signal 2 (Kontakt 2) / LED white for Signal 2 (pin 2)
- (4) Nummerierung Steckplatz / numbering socket
- (5) Kennzeichnungsschild / label plate

Kontaktbelegung M8 / contact assignment M8 sockets

3-polig / 3 pin



4-polig / 4 pin

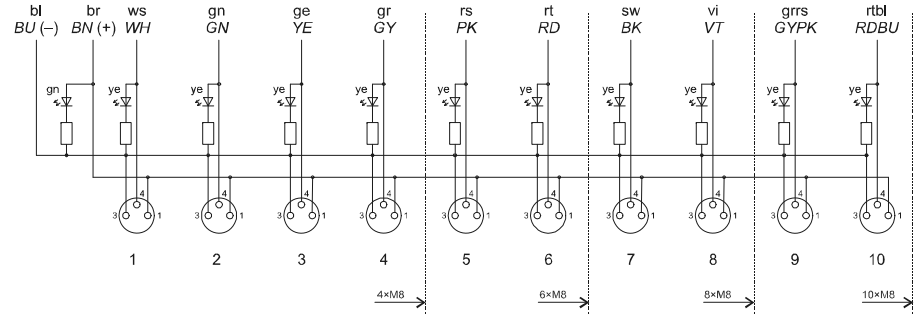


S, S1 = Signal 1 / signal 1
S2 = Signal 2 / signal 2

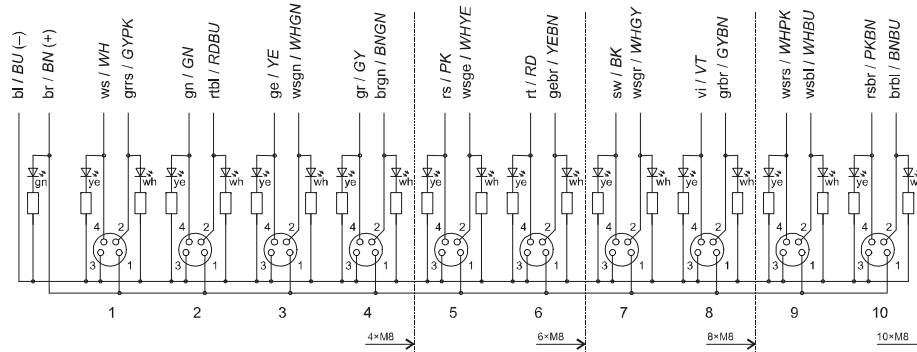
Anzugsdrehmoment / torque
M12 Steckverbinder / connector 0,4 Nm +0.1 Nm
M4 Befestigungsschraube / fastening screw 0,8 Nm -0.2 Nm

Prinzipschaltbild / schematic diagram:

M8 Buchsen 3-polig / M8 sockets 3 pin



M8 Buchsen 4-polig / M8 sockets 4 pin



Technical Specifications

Technical Specifications	Standard applic.
Coding:	N.A.
Connection:	Screw locking M8 x 1mm (0,4 Nm)
Packing:	Bag / 1pcs.

Materials & Finish

Materials & Finish	Standard description
Housing	TPU Elastollan 1185A
Core / parts of housing	PA 6 Ultramid B3WM 602
Insulation body	PA 6T/66 Zytel HTNFR52G30BL
Contact material (female contact):	Cu/Ni2Si HV 160U
Contact finish, mating zone:	Thickness of plating: Cu/Ni 1µm Pd 0,5µm Au 0,1µm
Gasket	TPU Elastollan 1185A

Cable

Cable	Standard description
Jacket material	PUR/PVC (UL/CSA)
Jacket color	grey (RAL7040)
Wire insulation	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

Electrical Data

Electrical Data	IEC	IP	Value
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 MOhms	
Insulation resistance	min.	1000 mOhms	

Approvals

Approvals	IEC	IP	Value
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

Environmental Conditions	EN	Value
Vibration	EN 60068-2-6	5 Hz ... 58 Hz; const. Amplitude 0,75 mm 58 Hz ... 500 Hz; const. Acceleration 10g Frequency changing: 1Oct. / min Number of cycles: 20
Shock	EN 60068-2-27	Half sine shock Acceleration 30 g, Duration 11ms Number of shocks 3 per axis and direction

Part No.	Pin count	Cable length	Copper weight	LED (Input current)	Jacket diameter	Conductor cross-section
354859	3 pin	3 m	128 g	green (7 mA) yellow (4.1 mA)	9,2 ±0,2	8 x 0,34 mm ² + 2 x 0,75 mm ²
		5 m	208 g			
		10 m	344 g			
		15 m	512 g			
354860	4 pin	3 m	209 g	green (7 mA) yellow (4.1 mA) white (1.5 mA)	10,4 ±0,2	16 x 0,34 mm ² + 2 x 0,75 mm ²
		5 m	342 g			
		10 m	672 g			
		15 m	1002 g			

Information:	Tolerances		Scale 1:2
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		I/O Box (passive) 8 x M8 Sockets	
-	06.06.2008	www.ERNI.com	223930
Index	Date	Class	I/O-BOX

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