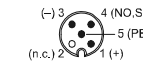


- (1) LED grün für Betriebsanzeige / LED green for operation display
- (2) LED gelb für Signal 1 (Kontakt 4) / LED yellow for Signal 1 (pin 4)
- (3) LED weiß für Signal 2 (Kontakt 2) / LED white for Signal 2 (pin 2)
- (4) Nummerierung Steckplatz / numbering socket
- (5) Kennzeichnungsschild / label plate

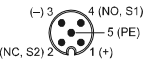
Anzugsdrehmoment / torque
 M12 Steckverbinder / connector 0.6 Nm +0.1 Nm
 M4 Befestigungsschraube / fastening screw 0.8 Nm -0.2 Nm

Kontaktbelegung M12 / contact assignment M12 sockets

4-polig / 4 pin

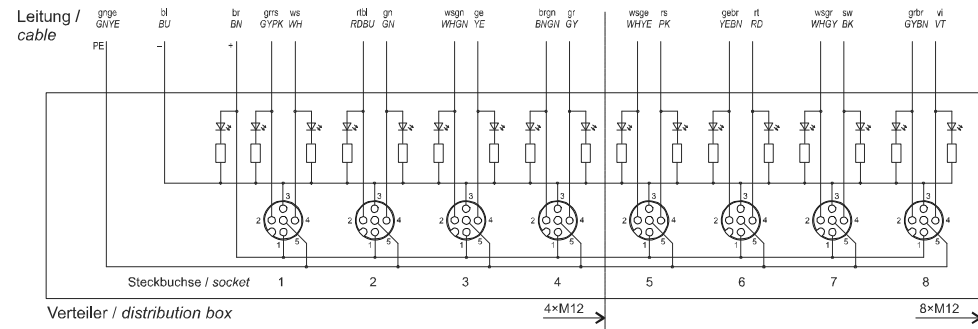


5-polig / 5 pin



NO, S1 = Schließer, Signal 1 / normally open, signal 1
 NC, S2 = Öffner, Signal 2 / normally closed, Signal 2
 n.c. = nicht angeschlossen / not connected

Prinzipschaltbild / schematic diagramm.



M12 Buchse 4-polig: Kontakt 2 nicht angeschlossen / M12 socket 4 pin: contact 2 not connected

Technical Specifications Standard applic.

Coding: A-coding
 Connection: Screw locking M 12 x 1mm (0,6 Nm)
 Packing: Bag / 1pcs.

Materials & Finish

Housing: Standard description TPU Elastollan 1185A
 Core / parts of housing: Standard description PA 6 Ultramid B 3WM 602
 Insulation body: Standard description PA 6 Ultramid B 3WM 602
 Contact material (female contact): Standard description CuNi2Si HV 160U
 Contact finish, mating zone: Thickness of plating 0,8 µm Au (partial)
 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.
 Temperature range (cable): fixed installation: -30 °C to +80 °C
 flexible installation: -5 °C to +70 °C
 (+60°C when used in drag chains or mechanical exposure)

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 4 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 M Ohms
 Input current per LED: 4 mA

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: 1 Oct. / min
 Number of cycles: 20
 Shock: EN 60068-2-27 Half sine shock
 Acceleration 50 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
354852	4 pin	3 m	213 g	green yellow	8,1 ± 0,3	8 x 0,34 mm ² + 3 x 0,75 mm ²
		5 m	345 g			
		10 m	680 g			
		15 m	1015 g			
354854	5 pin	3 m	334 g	green yellow white	10,0 ± 0,3	16 x 0,34 mm ² + 3 x 0,75 mm ²
		5 m	544 g			
		10 m	1070 g			
		15 m	1597 g			

Information:		Tolerances	Scale 1:2
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.		 All Dimensions in mm [in]	Designation I/O Box (passive) 8 x M12 Socket
www.ERNI.com		223927	
-	06.06.2008	Class I0-BOX	
Index	Date	(1/1) A3	

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