

- (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

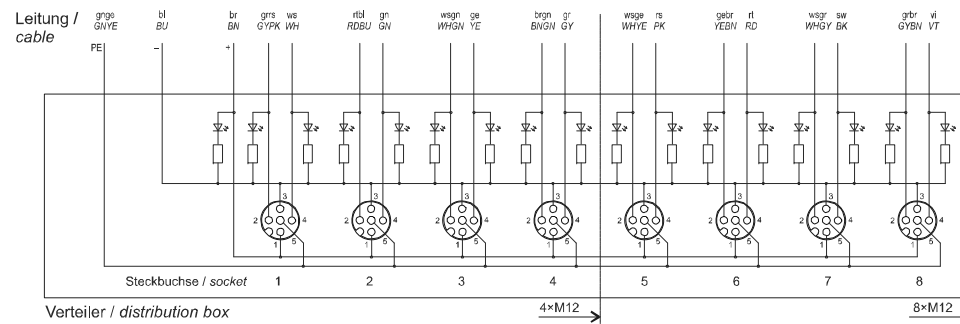
Anzugsdrehmoment / torque
 M12 Steckverbinder / connector 0,6 Nm +0,1 Nm
 M4 Befestigungsschraube / fastening screw 0,8 Nm -0,2 Nm

Kontaktbelegung M12 / contact assignment M12 sockets



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

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

Materials & Finish

Housing: Standard description TPU Elastollan 1185A
Core / parts of housing: Standard description PA6 Ultramid B3VM602
Insulation body: Standard description PA6 Ultramid B3VM602
Contact material (female contact): Standard description CuNi2Si HV160U
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
354851	4 pin	3 m	152 g	green yellow	7,4 ±0,3	4 x 0,34 mm ² + 3 x 0,75 mm ²
		5 m	246 g			
		10 m	485 g			
		15 m	724 g			
354853	5 pin	3 m	212 g	green yellow white	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			

Information:		Tolerances	Scale 1:2
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-	06.06.2008		I (1/1) A3
Index	Date		Class IO-BOX

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