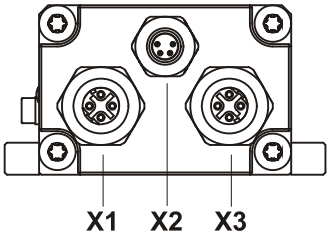
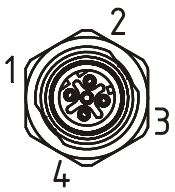
Steckerbelegung / Pin assignment

LMC-55 POWERLINK V2.0 (CiA DS-406)



Bei UL/CSA-Zulassung, gemäß Typenschild, darf das Mess-System nur in NFPA 79 konformen Applikationen eingesetzt werden oder gleichwertige. Die max. Umgebungstemperatur beträgt dann 75 °C. Die Schirmung ist großflächig auf das Gegensteckergehäuse aufzulegen! /

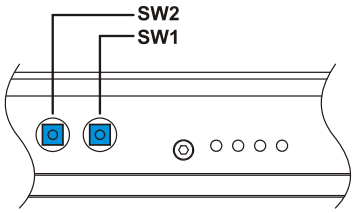
In case of UL/CSA approval, according to the nameplate, the measuring system may only be operated in NFPA 79 compliant applications or equivalent. In this case the max. ambient temperature is 75 °C. The shielding is to be connected with large surface on the mating connector housing!

X1 = PORT1 X3 = PORT2		POWERLINK, Flanschdose / *Female socket* (M12x1-4 pol. D-coded			
1	TxD+	Sendedaten +	*Transmission Data +*	Steckseite / *Mating Face*	
2	RxD+	Empfangsdaten +	*Receive Data +*		
3	TxD–	Sendedaten –	*Transmission Data –*		
4	RxD–	Empfangsdaten –	*Receive Data –*		

X2	Flanschstecker / *Male socket* (M8x1-4 pol.)			
1	19 – 27 V DC	Versorgungsspannung / *Supply voltage*	Steckseite / *Mating Face*	
2	[1] TRWinProg +			
3	GND, 0V	Versorgungsspannung / *Supply voltage*		
4	[1] TRWinProg –			

[1] für Servicezwecke, z.B. Softwareupdate / *for service purposes, e.g. software update*

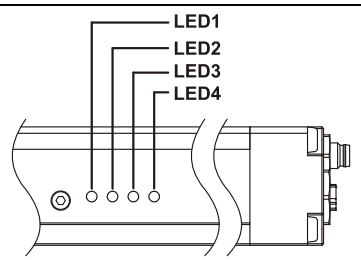
POWERLINK Node-ID



Über die Hex-Adress-Schalter SW1 und SW2 wird die POWERLINK Node-ID eingestellt: SW1 = 16^0, SW2 = 16^1 Gültige Adressen = 1...239 (1...0xEF).

By means of the hex address switches SW1 and SW2 the POWERLINK Node-ID is adjusted: SW1 = 16^0, SW2 = 16^1. Valid addresses = 1...239 (1...0xEF).

LEDs



LED 1: POWERLINK Status	(rot, grün / *red, green*)
LED 2: ENCODER Status	(rot, grün / *red, green*)
LED 3: PORT1, Link/Data Activity	(rot, grün / *red, green*)
LED 4: PORT2, Link/Data Activity	(rot, grün / *red, green*)

Betriebsanleitung beachten! - *Observe User Manual!*

Änderungen vorbehalten / Subject to change

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LED-Status	Anzeigezustände und Blinkfrequenz / *Indicator states and flash rates*
ON	permanent AN / *constantly ON*
OFF	permanent AUS / *constantly OFF*
Flickering	50ms 50ms
Blinking	200ms 200ms
Single flash	200ms 1000ms
Double flash	200ms 200ms 200ms 1000ms
Triple flash	200ms 200ms 200ms 200ms 200ms 1000ms

POWERLINK Status, State Machine	
grün / *green*	
OFF	NMT_GS_OFF, NMT_GS_INITIALISATION, NMT_CS_NOT_ACTIVE
Flickering	NMT_CS_BASIC_ETHERNET
Single flash	NMT_CS_PRE_OPERATIONAL_1
Double flash	NMT_CS_PRE_OPERATIONAL_2
Triple flash	NMT_CS_READY_TO_OPERATE
ON	NMT_CS_OPERATIONAL
Blinking	NMT_CS_STOPPED

ON = rot / *red*	POWERLINK Fehler / *POWERLINK error*

ENCODER Status	Beschreibung / *Description*
OFF	- Spannungsversorgung fehlt oder wurde unterschritten / *Voltage supply absent or too low* - Hardwarefehler, Mess-System defekt / *Hardware error, measuring system defective*
ON = grün / *green*	Mess-System betriebsbereit (kein Fehler) / *Measuring system ready for operation (no error)*
Blinking = rot / *red*	Teach-Mode
ON = rot / *red*	Mess-System-Fehler aufgetreten / *Measuring system error occurred*

Link/Data Activity	Beschreibung / *Description*
OFF	keine Ethernet Verbindung / *No Ethernet connection*
ON (Link) = grün / *green*	Ethernet Verbindung hergestellt / *Ethernet connection established*
Flickering (Data Activity) = gelb / *yellow*	Datenübertragung TxD/RxD / *Data transfer TxD/RxD*

Bestellangaben zur Ethernet Flanschdose M12x1-4 pol. D-kodiert /
Order data for Ethernet flange socket M12x1-4 pin D-coded

Hersteller / *Manufacturer*	Bezeichnung / *Designation*	Bestell-Nr.: / *Order no.:*
Binder	Series 825	99-3729-810-04
Phoenix Contact	SACC-M12MSD-4CON-PG 7-SH (PG 7)	15 21 25 8
Phoenix Contact	SACC-M12MSD-4CON-PG 9-SH (PG 9)	15 21 26 1
Harting	HARAX® M12-L	21 03 281 1405