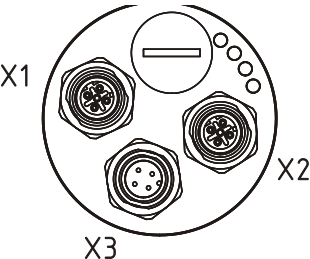
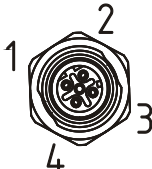
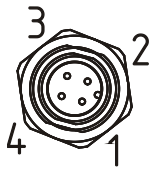


Steckerbelegung / Pin assignment

Cxx-58 POWERLINK V2.0 Encoder (CiA DS-406)

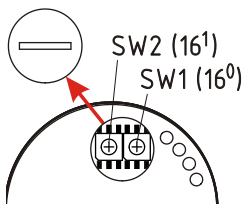
	<p>Für die Versorgung sind paarweise verdrehte und geschirmte Kabel zu verwenden. Die Schirmung ist großflächig auf das Gegensteckergehäuse aufzulegen!</p> <p><i>Shielded twisted pair cables must be used for the supply! The shielding is to be connected with large surface on the mating connector housing!</i></p>
---	--

X1 = IN X2 = OUT		POWERLINK IN / OUT; 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 -		

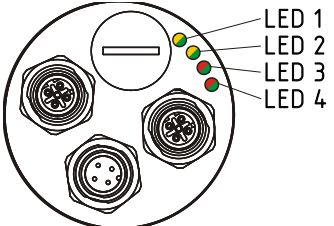
X3	Flanschstecker / Male socket (M12x1-4 pol. A-coded)		Steckseite / Mating Face	
1	11 – 27 V DC	Versorgungsspannung / Supply voltage		
2	¹⁾ TRWinProg + (optional)			
3	GND, 0V	Versorgungsspannung / Supply voltage		
4	¹⁾ TRWinProg - (optional)			

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

POWERLINK Node-ID

	<p>Über die Hex-Adress-Schalter SW1 und SW2 wird die POWERLINK Node-ID eingestellt: SW1 = 16⁰, SW2 = 16¹ Gültige Adressen = 1...239 (1...0xEF).</p> <p><i>By means of the hex address switches S1 and S2 the POWERLINK Node-ID is adjusted: S1 = 160, S2 = 161. Valid addresses = 1...239 (1...0xEF).</i></p>
---	---

POWERLINK LEDs

	<p>LED 1: IN, Link/Data Activity (grün, gelb / green, yellow) LED 2: OUT, Link/Data Activity (grün, gelb / green, yellow) LED 3: ENCODER Status (grün, rot / green, red) LED 4: POWERLINK Status (grün, rot / green, red)</p>
---	--

Steckerbelegung / Pin assignment

Link/Data Activity, IN = LED1 / OUT = LED2	Beschreibung / Description
OFF	keine Ethernet Verbindung / <i>No Ethernet connection</i>
ON (Link) = grün / <i>green</i>	Ethernet Verbindung hergestellt / <i>Ethernet connection established</i>
Blinking (Data Activity) = gelb / <i>yellow</i>	Datenübertragung TxD/RxD / <i>Data transfer TxD/RxD</i>

ENCODER Status, LED3	Beschreibung / Description
OFF	- Spannungsversorgung fehlt oder wurde unterschritten / <i>Voltage supply absent or too low</i> - Hardwarefehler, Mess-System defekt / <i>Hardware error, measuring system defective</i>
ON = grün / <i>green</i>	Mess-System betriebsbereit (kein Fehler) / <i>Measuring system ready for operation (no error)</i>
ON = rot / <i>red</i>	Mess-System-Fehler aufgetreten / <i>Measuring system error occurred</i>

POWERLINK Status, LED4

grün / <i>green</i>	
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 / <i>red</i>	POWERLINK Fehler / <i>POWERLINK error</i>
-----------------------	---

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