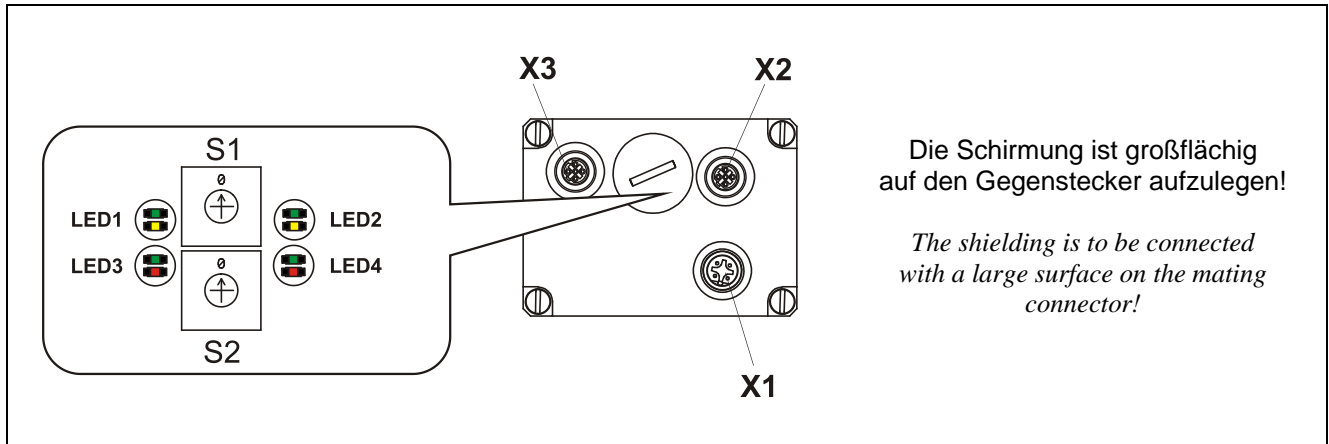


## Steckerbelegung / Pin assignment

### CD\_-75MM, CDV-115MM POWERLINK / openSAFETY; 3xM12

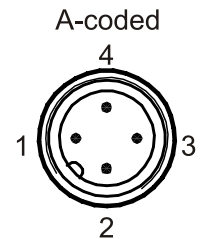


Die Schirmung ist großflächig auf den Gegenstecker aufzulegen!

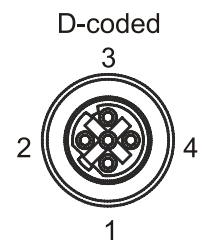
*The shielding is to be connected with a large surface on the mating connector!*

#### Steckseite / Mating Face

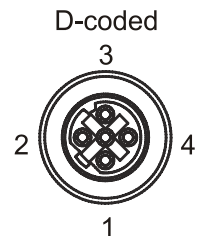
X1	Stift / Male Connector (M12 x 1, 4 pol.)	
1	+24 V DC	<b>Supply Voltage</b>
2	N.C.	
3	0 V, GND	
4	N.C.	



X2	Buchse / Female Connector (M12 x 1, 4 pol.)	
1	TxD+, Transmission Data +	<b>PORT 2</b>
2	RxD+, Receive Data +	
3	TxD-, Transmission Data -	
4	RxD-, Receive Data -	



X3	Buchse / Female Connector (M12 x 1, 4 pol.)	
1	TxD+, Transmission Data +	<b>PORT 1</b>
2	RxD+, Receive Data +	
3	TxD-, Transmission Data -	
4	RxD-, Receive Data -	



## Steckerbelegung / Pin assignment

### POWERLINK Node-ID

<p>Über die Hex-Adress-Schalter S1 und S2 in der Anschlusshaube wird die POWERLINK Node-ID eingestellt:</p> <p><math>S1 = 16^0</math>, <math>S2 = 16^1</math>. Gültige Adressen = 1...239 (1...0xEF).</p>	<p><i>By means of the hex address switches S1 and S2 in the connection hood the POWERLINK Node-ID is adjusted:</i></p> <p><math>S1 = 16^0</math>, <math>S2 = 16^1</math>. <i>Valid addresses = 1...239 (1...0xEF).</i></p>
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### Link/Data Activity PORT 1, LED1 + PORT 2, LED2

OFF	keine Ethernet Verbindung	<i>No Ethernet connection</i>
<b>grün / green</b>		
ON	Ethernet Verbindung hergestellt	<i>Ethernet connection established</i>
<b>gelb / yellow</b>		
ON	Datenübertragung TxD/RxD	<i>Data transfer TxD/RxD</i>

### POWERLINK Status, LED3

<b>grün / green</b>		
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	
<b>rot / red</b>		
ON	POWERLINK Fehler	<i>POWERLINK error</i>

### openSAFETY Status, LED4

<b>grün / green</b>		
OFF	Initialisierung / Gerät aus	<i>Initialization / Device off</i>
Single flash	PRE_OPERATIONAL	<i>PRE_OPERATIONAL</i>
Double flash	OPERATIONAL – Verbindung ungültig	<i>OPERATIONAL – connection invalid</i>
ON	OPERATIONAL	<i>OPERATIONAL</i>
<b>rot / red</b>		
ON	OFF	System oder Sicherheitsfehler
		<i>System or safety error</i>