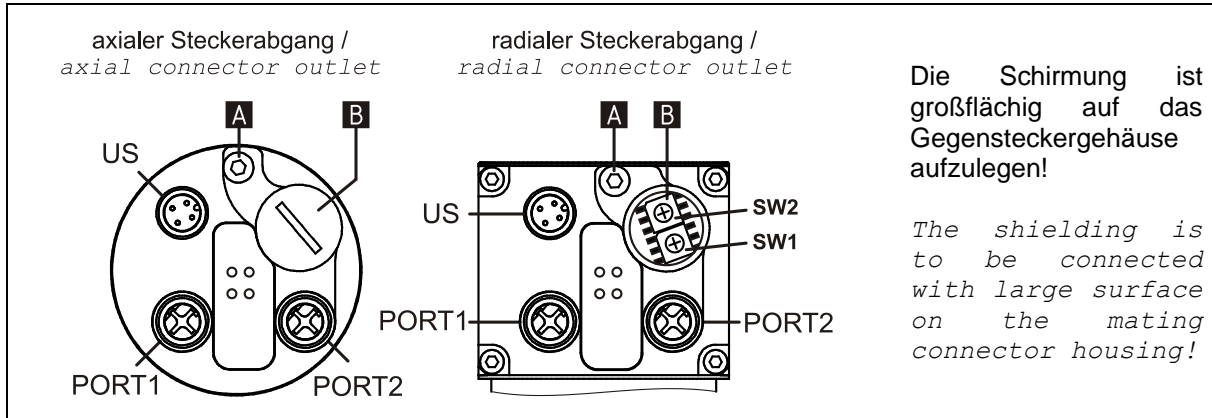


Steckerbelegung / Pin assignment

Baureihe 582 / 802 / 1102 POWERLINK



Betriebsanleitung beachten! - Observe User Manual!



A Potentialausgleich / *Potential equalization*; **B** POWERLINK Node-ID

| US | Flanschstecker / <i>Male socket</i> (M12x1-4 pol. A-coded) | | Steckseite <i>Mating Face</i> |
|----|--|--|----------------------------------|
| 1 | 10 – 30 V DC | Encoder-Versorgungsspannung / <i>Encoder-Supply Voltage</i> | |
| 2 | n.c. | - | |
| 3 | 0 V | Encoder-Versorgungsspannung / <i>Encoder-Supply Voltage</i> | |
| 4 | n.c. | - | |

| PORT1 | | Flanschdose / <i>Female socket</i> (M12x1-4 pol. D-coded) | | Steckseite <i>Mating Face</i> |
|-------|------|---|----------------------------|----------------------------------|
| 1 | TxD+ | Sendedaten + | <i>Transmission Data +</i> | |
| 2 | RxD+ | Empfangsdaten + | <i>Receive Data +</i> | |
| 3 | TxD- | Sendedaten - | <i>Transmission Data -</i> | |
| 4 | RxD- | Empfangsdaten - | <i>Receive Data -</i> | |

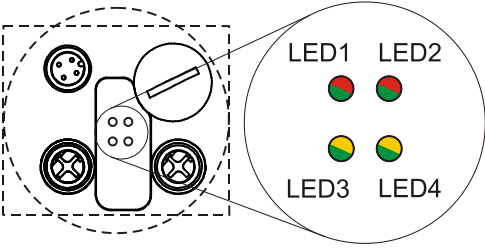
| PORT2 | | Flanschdose / <i>Female socket</i> (M12x1-4 pol. D-coded) | | Steckseite <i>Mating Face</i> |
|-------|------|---|----------------------------|----------------------------------|
| 1 | TxD+ | Sendedaten + | <i>Transmission Data +</i> | |
| 2 | RxD+ | Empfangsdaten + | <i>Receive Data +</i> | |
| 3 | TxD- | Sendedaten - | <i>Transmission Data -</i> | |
| 4 | RxD- | Empfangsdaten - | <i>Receive Data -</i> | |



Über die Hex-Adress-Schalter SW1 und SW2 wird die POWERLINK Node-ID eingestellt:
SW1 = 16⁰, SW2 = 16¹. Gültige Adressen = 1...239 (0xEF).

By means of the hex address switches S1 and S2 the POWERLINK Node-ID is adjusted: S1 = 16⁰, S2 = 16¹. Valid addresses = 1...239 (0xEF).

Steckerbelegung / Pin assignment

| Status-LEDs | |
|---|--|
|  | <p>LED1: Dev Stat (grün, rot / <i>green, red</i>)</p> <p>LED2: S/E (grün, rot / <i>green, red</i>)</p> <p>LED3: PORT1 L/A (grün, gelb / <i>green, yellow</i>)</p> <p>LED4: PORT2 L/A (grün, gelb / <i>green, yellow</i>)</p> |

| 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 |

| Dev Stat, LED1 | Beschreibung / <i>Description</i> |
|--------------------------|---|
| 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> |

| S/E, LED2 | |
|-----------------------|--|
| 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> |

| PORT1 L/A, LED3 PORT2 L/A, LED4 | Beschreibung / <i>Description</i> |
|---|--|
| 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> |

Betriebsanleitung beachten! - Observe User Manual!

Änderungen vorbehalten / Subject to change