

Connector pin assignment ZH-81 with SSI- and ISI-Interface

Print- Spring Force Terminals

| | | | |
|-----------------------------|--|---|---------------------------------|
| Grid Spacing: | 2,54 mm | | |
| Nominal Voltage / -Current: | 63 V / 6 A at a nominal cross section of 0,5 mm ² | | |
| Connection: | inflexible 0,14 - 0,5 mm ² | flexible 0,14 - 0,5 mm ² | Conductor size (AWG) 26 - 20 |
| | flexible with wire end sleeve without plastic sleeve | flexible with wire end sleeve with plastic sleeve | |

Explanation of terms:

| | |
|-------------|--|
| ZH-81: | Absolute Hollow Shaft Encoder |
| US: | Supply Voltage, 11 – 27 V DC |
| US-Input: | 1-level > +8V, 0-level < +2V, up to ±35V, 5 kOhm |
| US-Output: | 1-level > US-2V, 0-level < 1 V, up to 100mA |
| TTL-Output: | 1-level > +2.0V, 0-level < +0.8V, up to 40mA |
| Opto-Input: | Opto coupler for cable transmitter or TTL-differential signals |

X1 - 4-pole

| | |
|-------|-------------------|
| Pin 1 | 0V-Supply |
| Pin 2 | US-Supply Voltage |
| Pin 3 | 0V-Supply |
| Pin 4 | US-Supply Voltage |

X2 - 9-pole

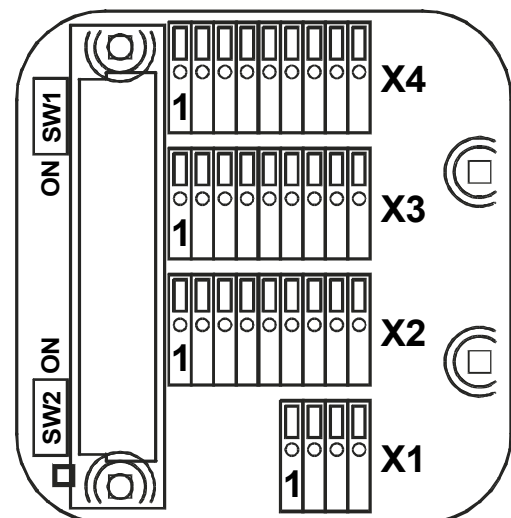
| | |
|-------|--|
| Pin 1 | US-Output, Channel 2 – |
| Pin 2 | US-Output, Channel 2 + |
| Pin 3 | US-Output, Channel 1 – |
| Pin 4 | US-Output, Channel 1 + |
| Pin 5 | NC |
| Pin 6 | US-Output, End of Load |
| Pin 7 | NC |
| Pin 8 | * US-Input for Preset 2 or switchover counting direction |
| Pin 9 | US-Input, Start of Load |

X3 - 9-pole

| | |
|--------------|-----------------------|
| Pin 1, 3 - 9 | NC |
| Pin 2 | US-Input for Preset 1 |

X4 - 9-pole

| | |
|-------|----------------------------------|
| Pin 1 | RS485 for PC-adapter and EPROG – |
| Pin 2 | RS485 for PC-adapter and EPROG + |
| Pin 3 | US-Output, Channel 0 – |
| Pin 4 | US-Output, Channel 0 + |
| Pin 5 | RS422-Output for SSI-Data – |
| Pin 6 | RS422-Output for SSI-Data + |
| Pin 7 | NC |
| Pin 8 | Opto-Input for SSI-Clock – |
| Pin 9 | Opto-Input for SSI-Clock + |



* Switch SW1

OFF: Input = Preset-Function, ON: Input = Switchover of the Counting Direction