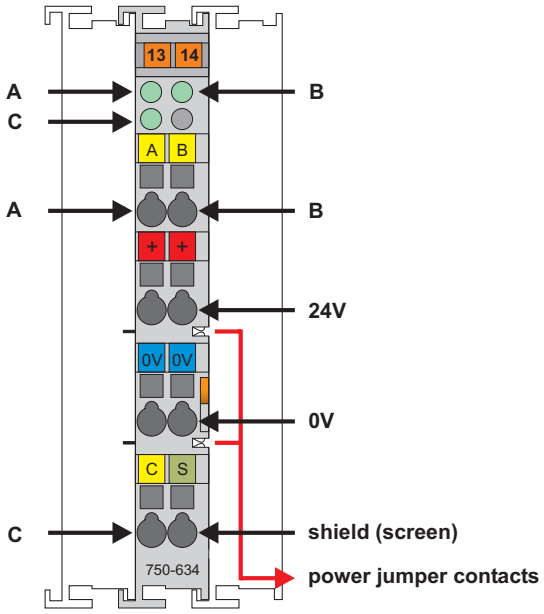
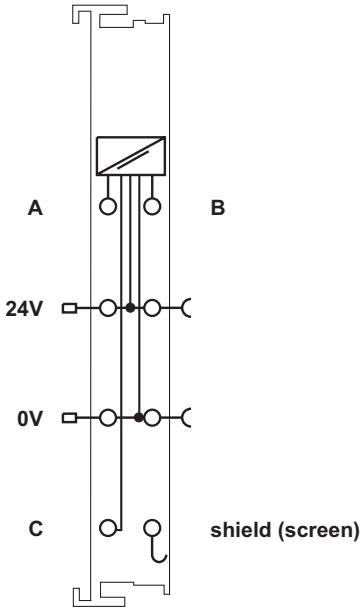
Incremental Encoder Interface

Data Sheet





Delivery without Miniature-WSB-Quick marking system

Description	Item-No.	Pack.-unit pcs.
Incremental Encoder Interface	**750-634**	1

The I/O module is an interface for the direct connection of any 24 V incremental encoders. A 16-bit counter with quadrature decoder and a 16-bit latch for the zero pulse can be read, set or activated. The counter status is transferred rapidly and insusceptible to faults to a PC, a PLC or a CNC via the fieldbus.
A period measurement with a resolution of 200 ns is possible.

Field and system level are electrical isolated.

All I/O-modules are independent of the fieldbus and automatically connected to the next module when snapped onto the DIN rail.

To improve the electromagnetic compatibility (EMC) ground (earth) the DIN rail.

Further information on system data and general conditions is available in the catalogue W3 band 3

Technical Data

Sensor connection	A, B, C
Sensor operating voltage	DC 24 V
Counter	16 bits binary
Cut off frequency	1 MHz
Quadrature decoder	4 time evaluation
Zero pulse latch	16 bit
Commands	read, set, activate
Supply voltage	DC 24 V (-15 % / +20 %)
Current consumption $_{max.}$	
internal	50 mA
power contacts	0 mA (without sensor load)
Insulation	500 V (system / supply)
Bit width	2 x 16 bits data
	1 x 8 bits control/status
	1 x 8 bits reserved
Operating temperature	0 °C ... + 55 °C
Wire connection	CAGE CLAMP®;
	0,08 mm² - 2,5 mm²
	AWG 28 – 14
	8 – 9 mm stripped length
Dimensions (mm) W x H x L	12 x 64* x 100
	* from upper edge of DIN 35 rail
Weight	approx. 60 g
Storage temperature	-25 °C ... + 85 °C
Relative air humidity	95 % no condensation
Vibration and	acc. to IEC 60068-2-6
shock resistance	acc. to IEC 60068-2-27
Degree of protection	IP 20
EMC	
Immunity to interference	acc. to EN 50082-2 (95)
Emission of interference	acc. to EN 50081-2 (94)

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