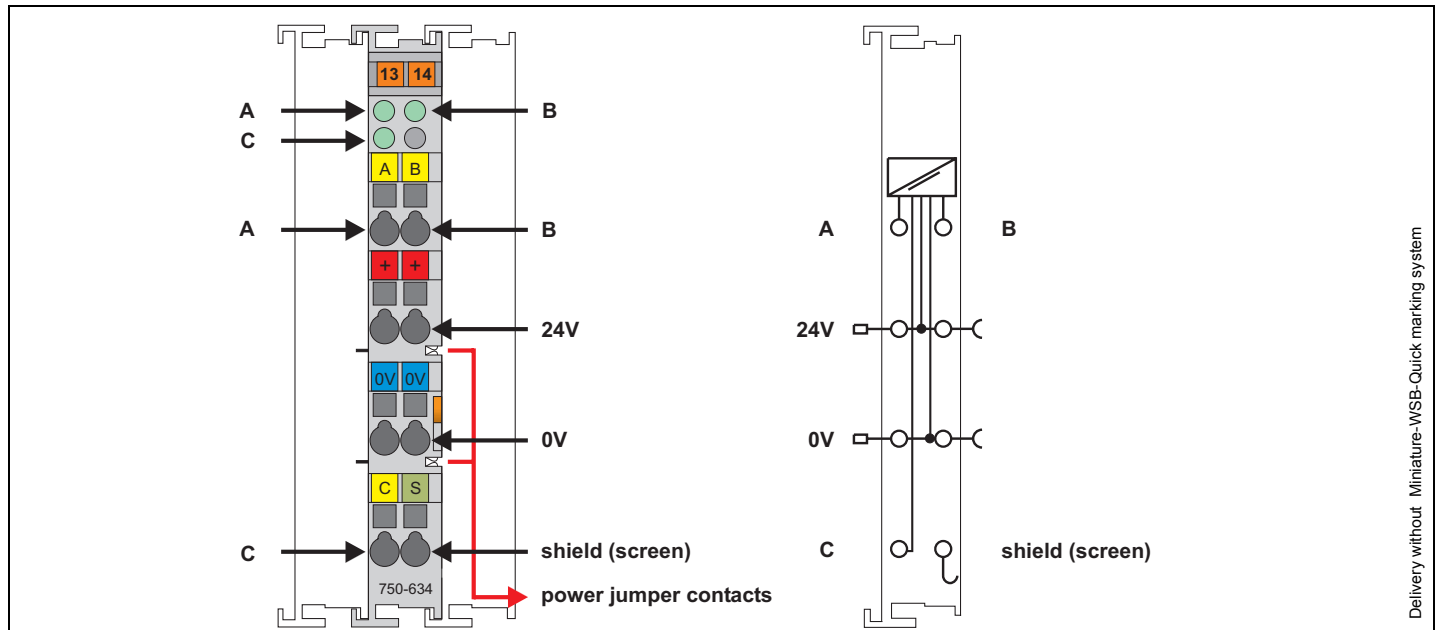


Incremental Encoder Interface

Preliminary Data Sheet



Delivery without Miniature-WSE-Quick marking system

Description	Item-No.	Pack.-unit pcs.																																															
Incremental Encoder Interface	750-634	1																																															
<p>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.</p> <p>A period measurement with a resolution of 200 ns is possible.</p> <p>Field and system level are electrical isolated.</p> <p>All I/O-modules are independent of the fieldbus and automatically connected to the next module when snapped onto the DIN rail.</p> <p>To improve the electromagnetic compatibility (EMC) ground (earth) the DIN rail.</p> <p>Further information on system data and general conditions is available in the catalogue W3 band 3</p>	<p>Technical Data</p> <table border="1"> <tr><td>Sensor connection</td><td>A, B, C</td></tr> <tr><td>Sensor operating voltage</td><td>DC 24 V</td></tr> <tr><td>Counter</td><td>16 bits binary</td></tr> <tr><td>Cut off frequency</td><td>1 MHz</td></tr> <tr><td>Quadrature decoder</td><td>4 time evaluation</td></tr> <tr><td>Zero pulse latch</td><td>16 bit</td></tr> <tr><td>Commands</td><td>read, set, activate</td></tr> <tr><td>Supply voltage</td><td>DC 24 V (-15 % / +20 %)</td></tr> <tr><td>Current consumption_{max.}</td><td></td></tr> <tr><td> internal</td><td>50 mA</td></tr> <tr><td> power contacts</td><td>100 mA (without sensor load current)</td></tr> <tr><td>Insulation</td><td>500 V (system / supply)</td></tr> <tr><td>Bit width</td><td>2 x 16 bits data 1 x 8 bits control/status 1 x 8 bits reserved</td></tr> <tr><td>Operating temperature</td><td>0 °C ... + 55 °C</td></tr> <tr><td>Wire connection</td><td>CAGE CLAMP®; 0,08 mm² - 2,5 mm² AWG 28 – 14 8 – 9 mm stripped length</td></tr> <tr><td>Dimensions (mm) W x H x L</td><td>12 x 64* x 100 * from upper edge of DIN 35 rail</td></tr> <tr><td>Weight</td><td>approx. 60 g</td></tr> <tr><td>Storage temperature</td><td>-25 °C ... + 85 °C</td></tr> <tr><td>Relative air humidity</td><td>95 % no condensation</td></tr> <tr><td>Vibration and shock resistance</td><td>acc. to IEC 60068-2-6</td></tr> <tr><td>Degree of protection</td><td>IP 20</td></tr> <tr><td>EMC</td><td></td></tr> <tr><td>Immunity to interference</td><td>acc. to EN 50082-2 (95)</td></tr> <tr><td>Emission of interference</td><td>acc. to EN 50081-2 (94)</td></tr> </table>	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	100 mA (without sensor load current)	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 mm ² - 2,5 mm ² 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 shock resistance	acc. to IEC 60068-2-6	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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