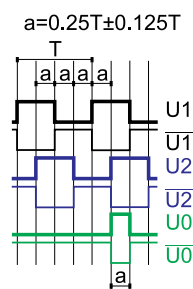




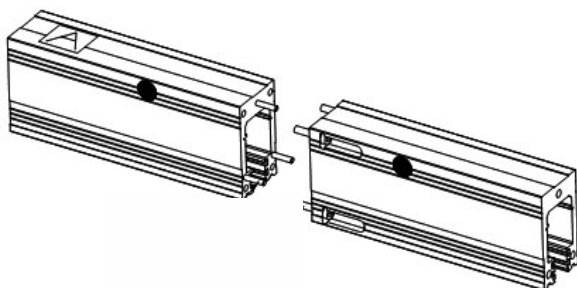
## ELECTRICAL DATA

<b>VERSION</b>	<b>L23-F TTL</b>
Supply voltage (U <sub>p</sub> )	+5V±5%/ 65 mA; +12V±5%/ 65mA
Light source	LED
Resolution	100, 50; 10; 5; 1; 0.5 μm (after 4-fold in subsequent electronics)
Incremental signals	Differential square-wave U1/U1 and U2/U2
Reference signal	Differential square-wave U0/U0
Signal levels at load current 20 mA:	- low (logic "0") < 0.5 V at U <sub>p</sub> =+5V - high (logic "1") > 2.4 V at U <sub>p</sub> =+5V - low (logic "0") < 1.5 V at U <sub>p</sub> =+12V (HTL) - high (logic "1") > (U <sub>p</sub> -2) V at U <sub>p</sub> =+12V (HTL)
Direction of signals	U2 lags U1 (displacement from left to right and head position down)
Standard cable length	4 m armoured, without connector
Maximum cable length	25 m
Output signals	



Note: If cable extension is used the power supply conductor section should not be smaller than 0.5 mm<sup>2</sup>.

## MODULE CONNECTION PRINCIPLE



## ACCESSORIES

<b>CONNECTORS FOR CABLE</b>	B12 12-pin round connector	C9 9-pin round connector	C12 12-pin round connector	D9 9-pin flat connector	D15 15-pin flat connector	RS10 10-pin round connector	ONC 10-pin round connector
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<b>DIGITAL READOUT DEVICES</b>	CS3000	CS5000
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## ORDER FORM

<b>L23</b>	- XXX	- XXXX	- X / XXX	- XX - XX	- X	- XX / X	
<b>RESOLUTION:</b>	<b>MEASURING LENGTH:</b>	<b>REFERENCE MARKS:</b>	<b>ACCURACY:</b>	<b>SUPPLY VOLTAGE:</b>	<b>COMPRESSED AIR:</b>	<b>CABLE LENGTH:</b>	<b>CONNECTOR TYPE:</b>
F05 - TTL 0.5μm F10 - TTL 1μm F50 - TTL 5μm F100 - TTL 10μm F500 - TTL 50μm F1000 - TTL 100μm	0250 - 250mm 0500 - 500mm ... 20000 - 20000mm ... - (on request)	N - none RI M - every 50mm P - RI number and place on option	10 - ±10μm 05 - ±5μm 03 - ±3μm	05V - +5V 12V - +12V	0 - without compressed air 1 - with compressed air	01 - 1m armoured 02 - 2m armoured 03 - 3m armoured ...	W - without connector B12 - round, 12 pins C9 - round, 9 pins C12 - round, 12 pins D9 - flat, 9 pins D15 - flat, 15 pins RS10 - round, 10 pins ONC - round, 10 pins
ORDER EXAMPLE:	1) L23-F100-16000-N-10-05V-0-04/C12						