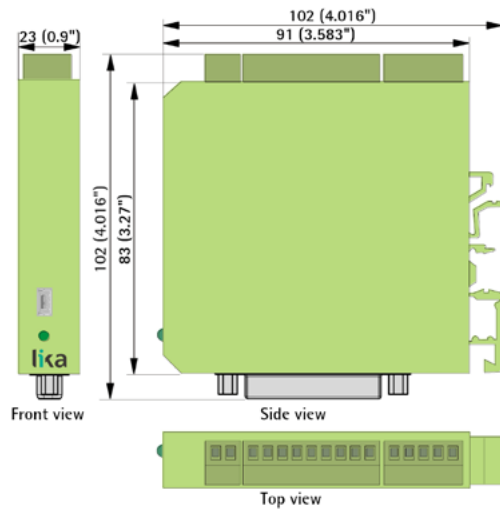
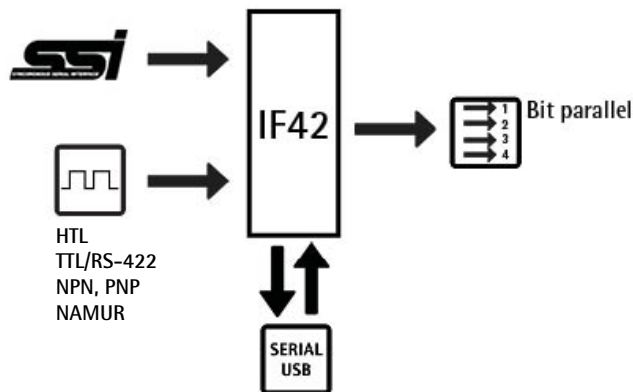


Series

IF42



Order code: IF42



FUNCTIONS

- Parameter setting via USB serial interface
- SSI and incremental to bit parallel
- Master or slave operation
- Scaling and bit suppression
- Round loop function
- Linearization of output

ENVIRONMENTAL SPECIFICATIONS

Operating temperature range:	-20°C +60°C (-4°F +140°F)
Storage temperature range:	-25°C +75°C (-13°F +158°F)
MTBF:	59,1 years @60°C
Protection:	IP20

MECHANICAL SPECIFICATIONS

Dimensions:	see drawing
Mounting:	35 mm DIN rail
Electrical connections:	screw terminals, 1.5 mm ² / AWG 16
Weight:	~ 100 g

ELECTRICAL SPECIFICATIONS

Power supply:	+18Vdc +30Vdc
Consumption:	50 mA max. (without sensor)
Sensor input:	any SSI protocol: 10 to 32 bit, binary or gray coded, clock max. 1MHz incremental: AB /AB, RS422, TTL, HTL, NPN, PNP, NAMUR
Clock output:	differential (acc. to RS422), max. 1 MHz HTL differential 500 kHz max. others 250 kHz
Serial interface:	Mini-USB
Bit parallel output:	25 x push-pull (short circuit proof) Gray, Binary or BCD code
Control inputs:	3 x HTL, PNP

ACCESSORIES

OS:	set-up software (freeware)
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Document release	Date	Description
1.1	19.02.2021	Electrical specifications review