EARTH-FAULT INDICATOR
TYPE EASI-L
panel mounted

General description

The earth-fault indicator type EASI-L can be used in radial networks with one input and open-ring networks which are solidly earthed or low resistance earthed.
The connection between the earth-fault sensor and the display unit is done by a fibre optic cable. Therefore the connection from the sensor to the display unit is potential-free so that the earth-fault sensor can be mounted on screened and unscreened cables. But the earth-fault sensor must be mounted on insulated cables only. The sensor is divisible and flexible and can be retrofitted on the cable.

Features and Options

Permanent earth-faults:	Indication of permanent earth-faults by double blinking of the earth-fault LED.
Optional reset input:	For reset by recovering 230 V AC
Optional power supplies:	10-110 V DC or 110 / 230 V AC power supply with optional lithium backup battery

External connectors

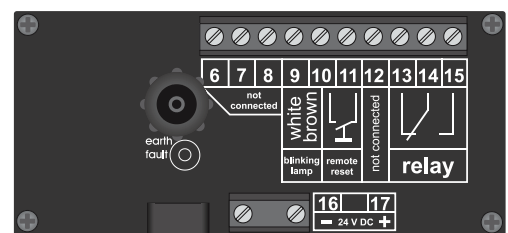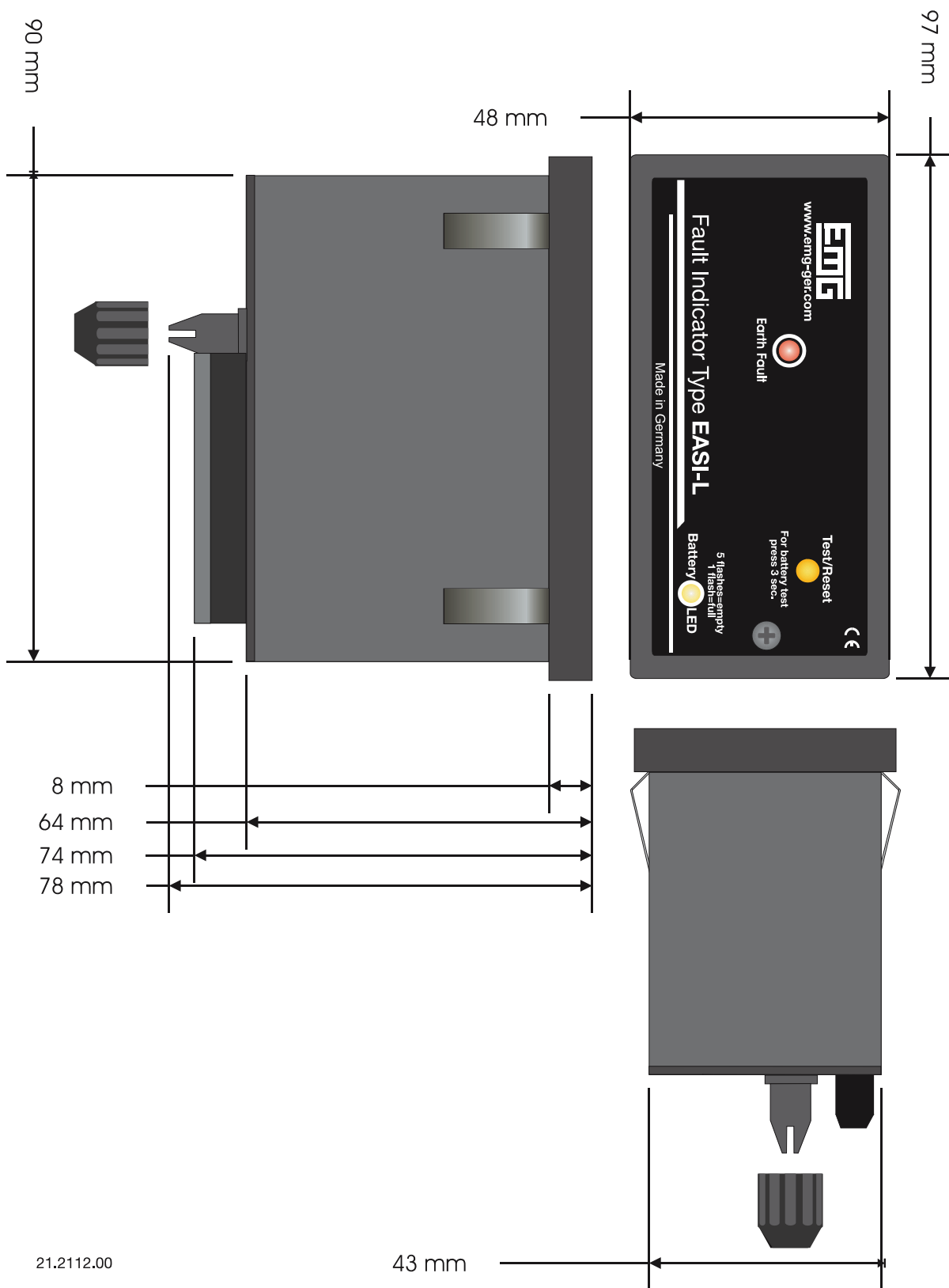|	
Optical terminal:	earth-fault sensor
Connector 9 - 10:	external blinking lamp (Type BL4.1+BL6)
Connector 10 - 11:	Remote reset input
Connector 13 - 15:	SCADA change-over contact (please refer to figure 1)
Connector 16 - 17:	Optional external power supply

figure 1 - Connectors

ELEKTRO-MECHANIK EM GMBH
Ringstr. 4 - D-42553 Velbert / Germany
Tel: +49 2053 422890 - Fax: +49 2053 422899
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General Data

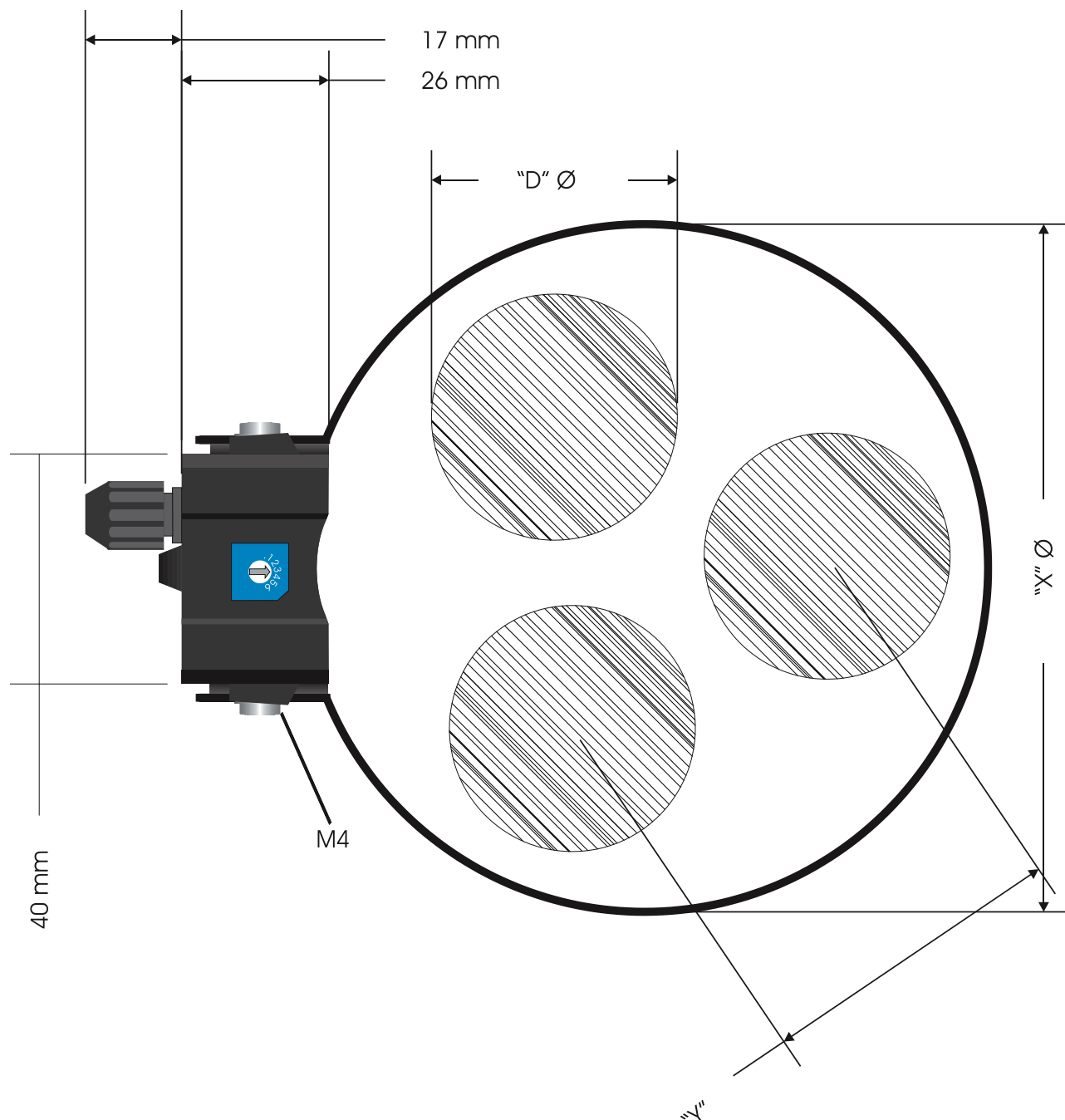| Subject	Value
earth-fault trip current (phase to ground)	adjustable: 10 / 20 / 30 / 40 / 60 / 80 / 100 * A (±10 %)
response delay earth-fault	adjustable: 40 / 60 / 80 / 160 * ms
indication unit	suitable for panel installation
indication of a) earth-fault b) battery	a) one red LED for earth-fault b) one yellow LED
reset of the indicator	a) manual by push-button b) connection for a potential-free remote reset c) time*: 1 / 2 / 4 / 8 (+/-1%) hours after fault d) Optional: self-acting after recovering of 230 V AC
on site function test a) function test b) battery test	by push-button a) the button has to be pressed for 1 second b) the button has to be pressed for 3 seconds
dimensions: indication unit	(WxHxD) 97 mm x 48 mm x 78 mm (dimensions of the cut out: 92+0.8 x 45+0.6 mm / IEC 61554 / DIN43700)
Protection class: indication unit	IP40
Protection class: sensors	IP67
internal type test	according to IEEE 495-2007
operation temperature range	-25°C to +70°C
power supply	lithium battery (LiSOCl2) type AA / 3.6V / 2600 mAh Optional: 10-110 V DC with lithium backup battery type AA / 3.6V / 2600 mAh Optional: 110 / 230 V AC with lithium backup battery type AA / 3.6V / 2600 mAh
SCADA contact	1x change-over contact permanent / wipe contact (100ms) (can be selected on site by a dip switch) max. 230 V AC / max. 2 A / max. 30 W
earth-fault sensor (CT)	one earth-fault sensor type LE three current transformers for a three-core cable diameter: 80-100* mm connection cable length: 3* m (fibre optic cable)

*PLEASE NOTE: other values can be ordered

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90 mm

48 mm

97 mm

Fault Indicator Type **EASI-L**

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Earth Fault

Made in Germany

Test/Reset

For battery test
press 3 sec.

5 flashes=empty
1 flash=full

Battery LED

8 mm

64 mm

74 mm

78 mm

21.2112.00

43 mm

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Earth-fault sensor type LE

17 mm

26 mm

"D" Ø

"X" Ø

40 mm

M4

"Y"

12.1556.02