Voltage/Current Transducer

with optional indicator

Models DL/Idc and DL/Vdc

Technical Manual

Licht

A Specifications

A.1 Electrical, environmental and housing characteristics

Supply requirements	Universal 80-265 V
Isolation	1.5 kV between the supply and any other terminal
Storage temperature	-10 to 85 °C
Operating temperature	-10 to 85 °C
Operating humidity	10 to 95% without condensation
Eletromagnetic compatibility	Immune up to 0.5 mT
Electrostatic compatibility	Immune
Consumption	$\leq$ 1.5 W
Housing	DIN 22 mm
Mounting	35 mm rail
Dimensions (W x H x L)	75 x 22 x 110 mm
Weight	210 g
Wire cross-section	$\leq$ 4 mm^2
Proof tests	Impulse voltage: NBR 716 and IEC 255.5 Switching surge: ANSI C. 3790 a. Applied voltage: 2 kV, 50/60 Hz, 1 min. Megger 500 Vdc: better than 100 MΩ

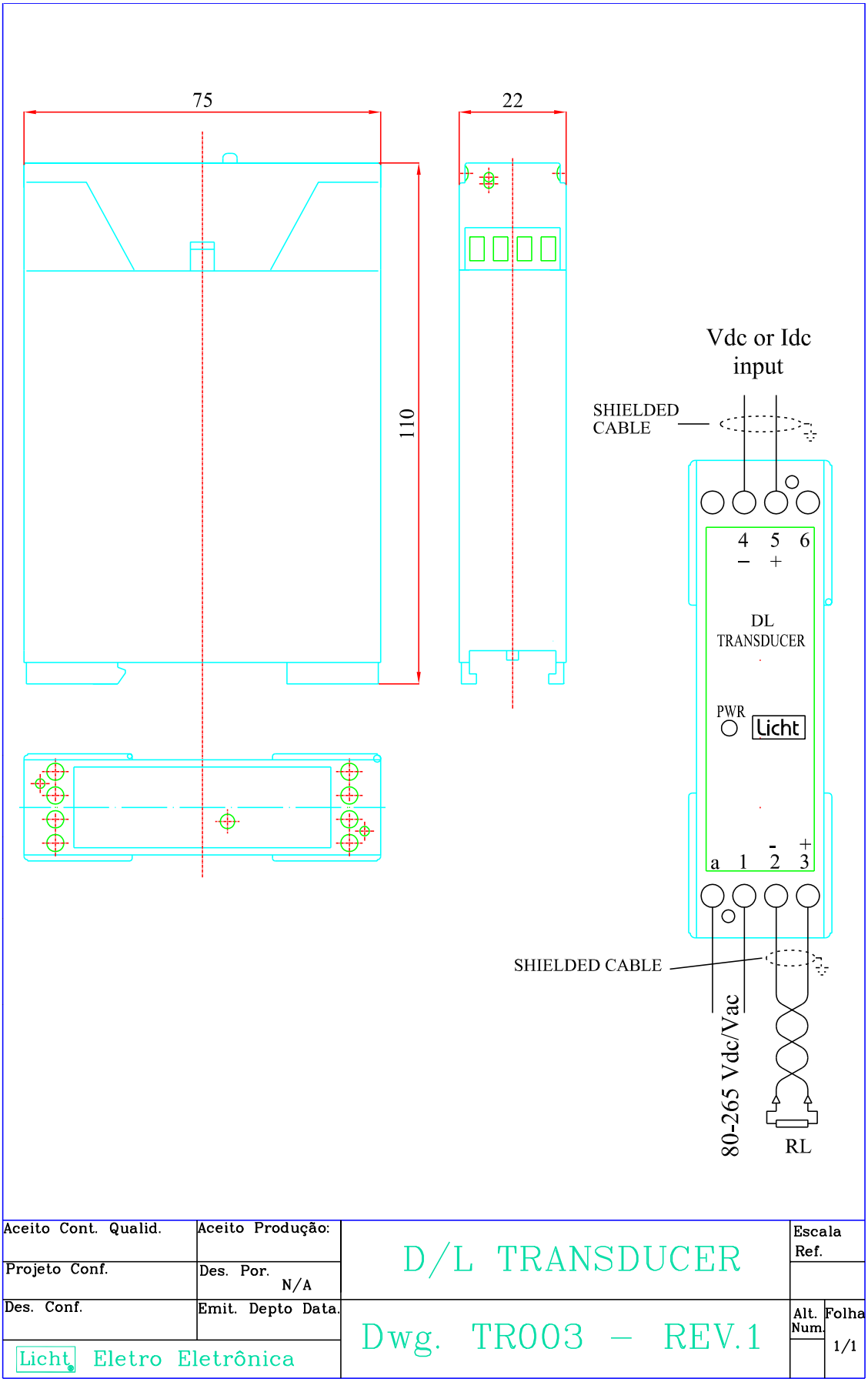
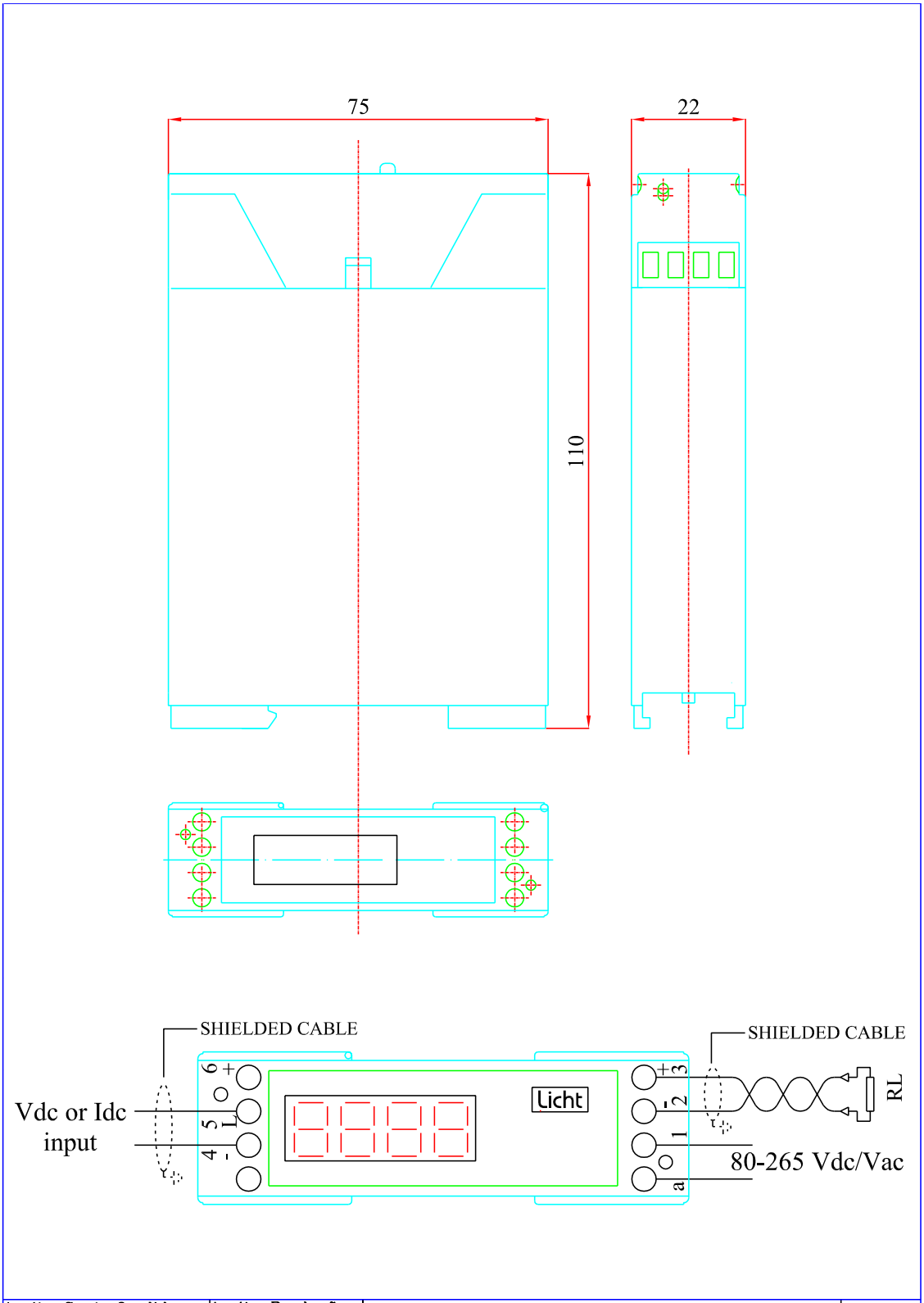
A.2 Technical characteristics - transducer

Precision	0.25% or 0.5% (specifiable)
Input scale	Voltage (up to 1 kV) or current (up to 20 A)
Output scale	Voltage (e.g.: 0-10 V) or current (e.g.: 4-20 mA)
Temperature drift	0.1% / 10 °C
Response time	$\leq$ 400 ms
Ripple	$\leq$ 2 %
Line resistance	$\leq$ 15 / I_{out}

A.3 Technical characteristics - indicator

Displays	7 segment high brightness LEDs, 3 1/2 digits
Resolution	± 1999
Precision	0.25% or 0.5% (specifiable) ± 1 digit
Scale	User adjustable up to ± 5%

B Housing & Mounting dwg. (Transducer)



C Housing & Mounting dwg. (Transducer/Indicator)