



eltex electrostatic
innovations

➤ Grounding System TERRACAP

TERRACAP



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The **TERRACAP** TCB040 grounding system identifies a low-resistance connection using the jaws of the clamp. If a connection is identified, the device discharges electrostatic charges safely via a resistor, which prevents spark discharge. The control unit then checks the capacity detected at the clamp. If the capacity for the tank truck is correct, a green display lights up and the interlocking relay enables the pumping process. The device then forms a low-resistance connection to the ground, which prevents further build-up of electrostatic charges. The connection using the clamps is continuously monitored during pumping.



TCS keyswitch for switching the measuring circuit from capacitive to resistive measurement



*TCT function test unit for testing the correct function of the **TERRACAP** TCB040 grounding system*



Active grounding for tanker trucks

TERRACAP TCB040

Supply voltage	100 – 240 VAC, 47 – 63 Hz, automatic mains identification	
Housing	Material	Cast aluminium, explosion approved enclosure
	Weight	10 kg
	Entries	4 tapped entries for M20 cable glands
	Protection class	IP66
	Dimensions	(H x W x D) 230 x 230 x 150 mm
Interlock output	1 voltage free normally open contact	
SIL	Fulfil the requirements to SIL 2 level	
Approval/markings	⊕ II 2(1) G Ex d [ia Ga] IIC T6 Gb	
	⊕ II 2(1) D Ex tb [ia Da] IIIC T85°C Db IP66	