

TERRACOMPACT II TCO030

SAFE AREA

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ATEX EARTHING SYSTEMS

SAFE AREA



During filling or decanting processes involving solid or liquid materials in the Ex area, the Terracompact IITCO030 automatically identifies faulty or defective ground links in the installation. If the floating changeover contact is switched accordingly, it shuts off the process.

This device is provided for connecting to a ground clamp or a rewinding cable reel with ground clamp.





The Terracompact II is a standard housing for assembly on a DIN 46277 top-hat rail for installation in a control cabinet or a control room.

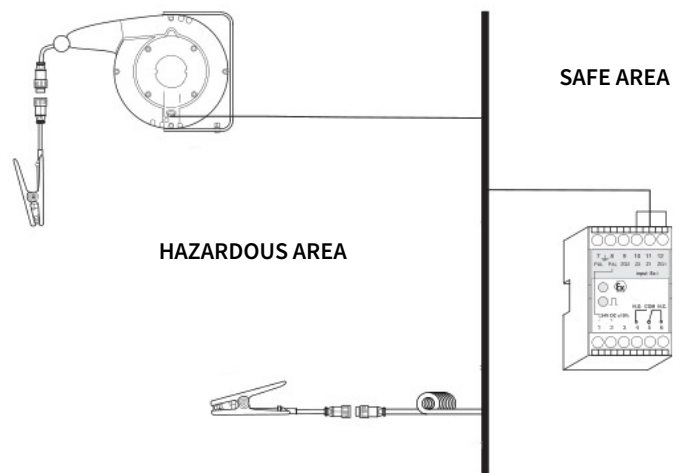


EU-Type Examination Certificate



The Terracompact II TCO030 must be mounted outside the hazardous area. Only the intrinsically safe circuit is allowed to lead into the hazardous area. The unit is preferably installed in the switchgear cabinet of a dry control room.

ITEM REFERENCES

Designation:	Item No.:	
	TERRACOMPACT II TCO030	6D0831
	601KR/DW12030BX Cable Rewinder	6D0814
	5m Grounding cord set blue cable KG/BSAB050	6D0815
	70AG Earthing Clamp	6D0821



TECHNICAL SPECIFICATIONS

Marking:	 II(1)G [Ex ia Ga] IIC  II(1)D [Ex ia Da] IIIC
Certificate:	EU-Type Examination Certificate
Operating temperature:	-20°C to +70°C
Ambient humidity:	Max. 70 % r.h., non-dewy
Supply voltage:	24 (21 ... 31) V DC Maximum voltage for safety reasons: $U_m = 250$ V
Power input:	I_b typical 80 mA
Design:	Standard enclosure for installation on standard rail NS35
Ingress protection:	Enclosure IP40, (terminals IP10)
Dimensions:	68 x 45 x 116 mm
Weight:	Approx. 200 g
Assembly:	Assembly on standard rail NS35, path height 15 mm; outside explosion hazard area
Connection:	Screw-type terminals, connecting diameter 1,5 mm ²
Indicator signal:	Load capacity: $U \leq 230$ V, $I \leq 5$ A, $P \leq 100$ VA Maximum voltage for safety reasons: $U_m = 250$ V Switching action signalled via green/red LED in front plate

