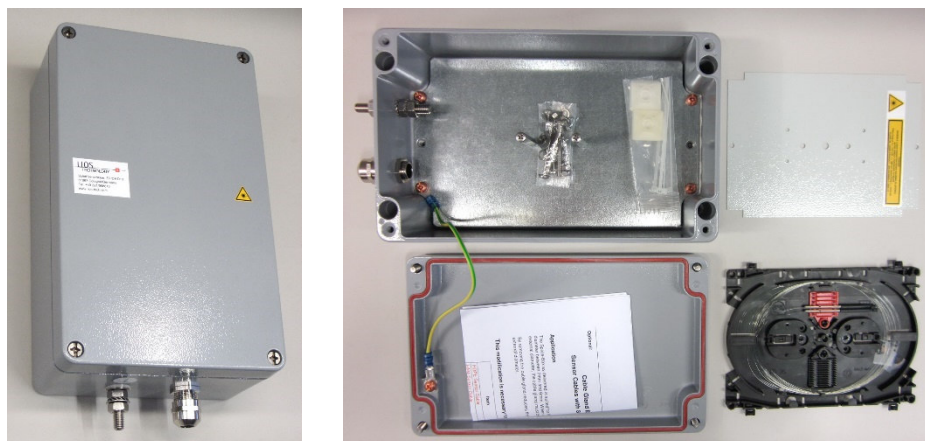# Ex Termination Box Outdoor with Grounding System

Part number: 28024236 / 28024237 / 28024238

Specifications:

General description	Outdoor termination box with grounding system for stranded wire loose steel tube sensor cable. Installation in harsh outdoor environment and potentially explosive atmospheres. Installation at the end of the sensor cable for low reflective termination of the end of the optical fibres. For use with sensor cables "FIMT" or "Fast Response PEx". Only LIOS-DTS with option "Explosion Protection" must be used.
Included items	- Splice cassette with cover, heat shrinking and crimp protection sleeve holder, preinstalled in box - Termination modules (fibre see options) for fibre preinstalled in splice cassette - Set of screws, washers and nuts (M4) for mounting
Quantity of termination modules	2 (for two fibres)
Type of termination module	Diffuse absorptive low reflective termination with angular cleaved fibre.
Length of fibre of term module in splice cass.	20m minimum each
Peak of backscattered end reflection	< 0.1dB
Fibre of termination modules	**See options**
Connector for grounding	Bolt M8 with nut, wrench size 13mm
Sensor cable entry	1 cable gland for cable of 2 – 6mm diameter. Optional for cable of 5 – 10mm diameter when removing gland reducer. Wrench size 20mm. Cable gland equipped with special termination socket with spring contacts for steel tube.
Outer diameter of sensor cable steel tube	Min. 1.7mm, max. 2mm (FIMT 1.8mm)
Transition resistance on spring contacts	Max. 0.5mΩ
Rated current of total grounding system	Min. 0.5kA for 1sec, 16A permanently
Material and colour box	Aluminium, seal in cover, powder coating, silver-grey RAL7001
Outer dimensions box (WxDxH)	260mm x 160mm x 91mm
Mounting box	4 holes in corners, 6mm diameter, distances: 240/110mm
Protection grade box	IP66 (EN60529)
Weight	2.0kg
Storage / operating temperature	-50°C to 90°C

Ex Termination Box Outdoor with Grounding System

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Protection grade (box, glands)	IP66 (EN60529)
Ex Type-Test-Certificate (box)	PTB 98 ATEX 3101 U
Ex type of protection (box)	II 2 G Ex e IIC Gb
Ex Type-Test-Certificate (glands)	IBExU 01 ATEX1041 X
Ex type of protection (glands)	II 2 G Ex eb IIC
Compliances	EN 60079-0:2009, EN60079-7:2007, EN 60079-31:2009, RoHS

Options:

For multimode fibre GI62.5/125/250µm	28024236
For multimode fibre GI50/125/250µm	28024237
For singlemode fibre 9/125/250µm	28024238

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