1-53836-K247EX

Auto Cable Reeler w/ EX Stainless Steel Junction Box, ATEX

General

The 1-53836-K247EX is an automatic cable reeler supplied with a stainless steel junction box. A cable reeler is normally placed on the roof of a floating roof tank structure where it ensures electrical continuity between linear heat detection (LHD) sensor cable and the fire detection system during the upward and downward movement of the floating roof. The cable reeler ensures that the cable remains taught and prevents that cable from getting jammed in the moving parts of the roof.

Installation

Installed on the top rim of a tank body, the cable is connected to a junction box (e.g. 1-B6782-190) on the tank roof. The reeler follows the movement of the roof, uncoiling the cable as the roof lowers, and winding the cable when the roof rises.

Application

The 1-53836-K247EX supports a cable drop of up to 23m (75ft). For hazardous areas, suitable safety barriers are required.



Details

- Symplifies electrical connections of floating roof tanks
- Collects and releases cable in moving installations avoiding cable jams
- Supplied with suitable chemical resistant cable
- Flame retardant
- Compatibility : AlarmLine II Digital

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Technical specifications

Electrical

No. of cable cores	4 x 1 mm²

Conductor

Resistance	19.5 Ohm/km
Capacitance	80 nF/km
Inductance	0.9 mH/km

Physical

Physical dimensions	400 x 450 x 150 mm (W x H x D)
Net weight	25 kg

Environmental

Operating temperature	-40 to +60°C
Environment	Exd, Indoor, Outdoor

Material

Housing	Stainless steel AISI 316
Internal mechanism	Stainless steel AISI 316
Junction box	Stainless steel AISI 316
Internal spring	Carbon steel

Cable

Length	23m
Insulation resistance	0.035 MOhm
Maximum operating voltage	48 V

Certification

ATEX	EUM1 10 ATEX 0346 Ex II 1/3 G Exia IIC T6

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