



TYPE APPROVAL CERTIFICATE



N. ELE223219CS

This is to certify that the product below is found to be in compliance with the applicable requirements of the RINA type approval system.

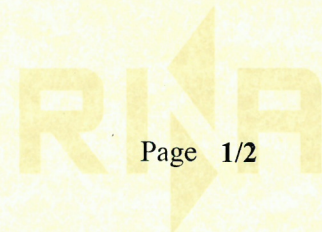
<i>Description</i>	Magnetic float level switches
<i>Type</i>	TOR ... / AISI; TOR ... / PVC; TOR ... / PP TOR ... / PVDF; TOR ... / BUNA
<i>Applicant</i>	COLIMA Srl Via Mestre, 11 20063 Cernusco s / Naviglio, (MI) Italia
<i>Manufacturer</i>	COLIMA Srl Via Mestre, 11 20063 Cernusco s / Naviglio, (MI) Italia
<i>Testing Standards</i>	Rules for the Classification of Ships –Part C – Machinery, Systems and Fire protection. Ch. 3, Sect. 6, Table 1.

Issued in **Genova** on **July 03, 2019**

This certificate is valid until **July 03, 2024**

RINA Services S.p.A.

Dino Ettore Cervetto





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Description

Floating type magnetic level switches consisting of :

- Junction Box with IP or EEx-d protection according to the relevant IP / Explosion proof certificate.
- Flanged or threaded version
- Float guide including Reed Switches
- Float

Model	Features	Drawings
TOR-A	6 level switches max min. rod length 150 mm max. rod length 5000 mm wet parts AISI 316 L	A 30.1000 A 30.2000 A 30.3000 A 30.4000
TOR-B	6 level switches max min. rod length 150 mm max. rod length 5000 mm wet parts AISI 316L / BUNA N	B 30.1000 B 30.2000 B 30.3000 B 30.4000
TOR-PC	6 level switches max min. rod length 150 mm max. rod length 5000 mm wet parts Polyvinylchloride	PC 30.1000 PC30.2000
TOR-PP	6 level switches max min. rod length 150 mm max. rod length 5000 mm wet parts Polypropylene (PVC)	PP 30.1000 PP 30.2000
TOR-PF	6 level switches max min. rod length 150 mm max rod length 5000 mm wet parts Polyvinylidene (PVDF)	PF 30.1000 PF 30.2000
TOR-CD	2 level switches max min. rod length 150 mm max. rod length 5000 mm wet parts AISI / BUNA N	CD 30.1000 CD 30.2000
TOR-R	2 level switches max min. rod length 200 mm max. rod length 5000 mm wet parts AISI 316 / L	R 30.1000 R 30.2000
TOR-S	1 level switch wet parts AISI 316 L / BUNA N	S 30.1000 S 30.2000
TOR-GS	high and very high level switches with testing device wet parts AISI 316 L	GS 30.1000
TOR-C	TOR chamber	

Reference documents

Colima Series TOR Level switches _Installation and Maintenance Instruction. Doc. n. IM-P324-03 (2018)

Remarks

Fixing devices to be fitted along the float guide in relation to its length and the particular application.