

FM Approvals
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CERTIFICATE OF COMPLIANCE

HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT

This certificate is issued for the following equipment:

Vibranivo VN 4020 Abcde31h* Level Limit Switch.

DIP / II, III / 1 / EFG; T** Ta=-40°C to +60°C; Type 4X, IP67.

b = Certifications: M, N, K or L (options M and K are for Unclassified Locations).

c = Temperature Extended Shaft: 1 or 2.

d = Electronic Module: D or L.

e = Process Connection: (any standardized thread or adapter and flange).

h = Material of Process Connection / "L": * (any stainless steel, or coating).

* = represents alphanumeric options that are not Approval relevant.

Vibranivo VN 4030 Bbcde3gh* Level Limit Switch.

DIP / II, III / 1 / EFG; T** Ta=-40°C to +60°C; Type 4X, IP67.

b = Certifications: M, N, K or L (options M and K are for Unclassified Locations).

c = Temperature Extended Shaft: 1 or 2.

d = Electronic Module: D or L.

e = Process Connection: (any standardized thread or adapter and flange).

g = Length of Extension "L": Z

h = Material of Process Connection / "L": * (any stainless steel, or coating).

* = represents alphanumeric options that are not Approval relevant.

Condition of Safe Use- ** Refer to the following table for T code temperature class for above equipment.

Max. ambient temperature	Max. process temperature	Max. surface temperature	Temperature class (Division System)
60°C (140°F)	110°C (230°F)	115°C (239°F)	T4A
	120°C (248°F)	120°C (248°F)	T4
	130°C (266°F)	130°C (266°F)	T4
	140°C (284°F)	140°C (284°F)	T3C
	150°C (302°F)	150°C (302°F)	T3C

Equipment Ratings:

Dust-Ignitionproof for Class II, III, Division 1, Groups E, F and G hazardous (classified) locations, indoors and outdoors (Type 4X and IP67). Equipment with certification options M and K are for unclassified locations, indoor/outdoor environmental rating of Type 4X and IP67. The equipment ambient operating temperature range is -40°C to +60°C.

FM Approved for:

UWT GmbH
 Betzigau, Germany



Member of the FM Global Group

This certifies that the equipment described has been found to comply with the following Approval Standards and other documents:

FM Class 3600	2011
FM Class 3616	2011
FM Class 3810	2005
ANSI/NEMA 250	2003
ANSI/IEC 60529	2004

Original Project ID: 3027841

Approval Granted: May 22, 2007

Subsequent Revision Reports / Date Approval Amended

Report Number	Date	Report Number	Date
3049195	May 19, 2014		

FM Approvals LLC

J.E. Marquedant
Group Manager, Electrical

19 May 2014

Date