

Limit Switches

Driver FRM Series

independent 1NO 1NC contacts

Main Features

Rotary limit switches are devices which allow you to control the movement of industrial and building machines.

They are used in wind turbines and solar trackers and are included in our **Green e-motion** Program. They represent a significant step in our project and participation to sustainability.

Versions with independent, **POSITIVE-OPENING 1NO 1NC CONTACTS** are sometimes required in this market.

Ravioli has projected a series of limit switches where the change of the switching position is realized by a mechanism which ensures rapid switching and gives the possibility of standing high thermal currents.

Electric circuit is double breaking system and the opening in 1NC contact is guaranteed by a mechanical forced circuit break. Terminals are IP20.

The application of encoders, potentiometers or some other sensors, in addition to the groups of Microswitches, produces in the same device an analogical or digital output, which can be properly read.



Contacts features

Contact configuration	1 NO and / or 1 NC
Conventional thermal current I_{th}	16 A
Rated insulation voltage U_i	400 V
Test voltage	4 kV
Utilization category	AC 15, 230VAC / 1,6 A - DC 13, 110VDC / 1 A
Contact material	Silver (Ag)
Wire connecting type (single-core or multi-core)	AWG 18...14 (0,75...2,5 mm ²)
Wire connecting type when ferrule is used	max. AWG 16 (1,5 mm ² max.)
Max. number of wires for one terminal	2 pcs.
Tightening torque of terminal screws	0,9 Nm

		DC				AC	
		DC 13	DC 13	DC 13	DC 13	AC 1	AC 15
Rated operating voltage	V	12	24	40	110	230	
Rated operating current	A	8	4	2.5	1	10	1,6
Breaking capacity		10 ⁶	10 ⁶	10 ⁶	10 ⁶	10 ⁶	

For more information about FRM limit switches see catalogue.



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