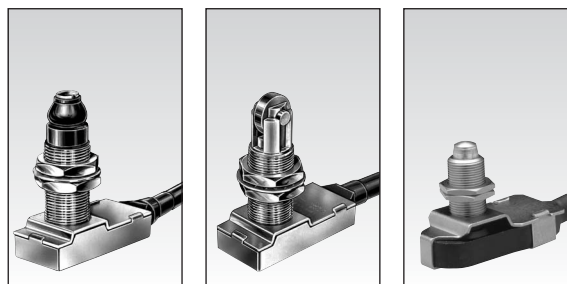


Automotive Limit Switches Series 83 731 / 83 732 / 83 733



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Conform to the following standards :

IEC 356.1 - EN 60204.1
NFC 20030 : Class I - 83 731 - 83 732
Class III - 83 733

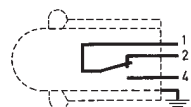
Degree of protection :

IP 56 - IP 66 depending on type

Version : 1 pole

Function : 3-terminal single break two-way contact element (form C: inverter).

Principle :



Electrical characteristics :

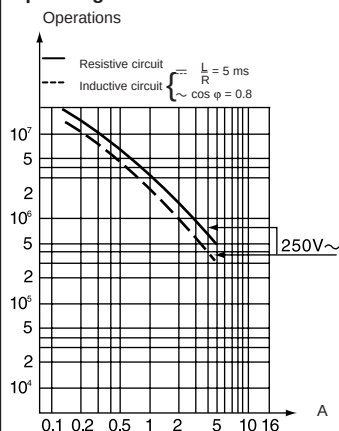
Assigned operating current (Ie)

83 731 - 83 732 : 5 A 250 V

83 733 : 5 A 50 V

Thermal rating (Ith) : 12 A

Operating curve :



Connections :

PVC cable (A05 - VV - F) 0.50 m long

3 conductors cross-section 0.75 mm²

Sheathed, ext. Ø : 7.6 mm

Core connections : 1 : black (common)

2 : brown (NC)

4 : blue (NO)

Electrical protection :

Earthing terminal for version 83 731 and 83 732.

Approvals :

CSA A300.

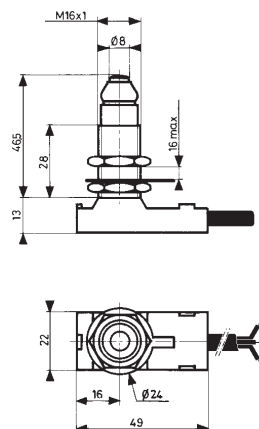
Types

	83 731 3	83 732 3	83 733 3
Control mechanisms			
Top-mounted plunger	•		•
Top-mounted plunger with roller		•	
Mechanical characteristics			
Minimum operating force	N (oz.)	15 (53)	15 (53)
Minimum total travel force	N (oz.)	35 (123.4)	35 (123.4)
Minimum operating travel	mm (in.)	2 (.079)	2 (.079)
Differential travel	mm (in.)	0.2 (.008)	0.2 (.008)
Max. total travel	mm (in.)	6 (.236)	6 (.236)
Mechanical life	Operations	10 ⁶	10 ⁶
Temperature limits	°C (°F)	- 5 + 70	- 5 + 70
Degree of protection	°C (°F)	IP 66	IP 56
Weight	g (oz.)	110 (3.9)	110 (3.9)

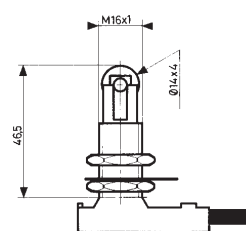
Dimensions

mm

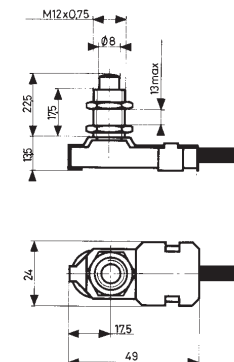
83 731 3



83 732 3



83 733 3



Other information

For other versions, functions and special contacts or special modes of operation : please consult us.



To order, specify :

1/2 meter cable	1 meter cable	2 meter cable
83731316	83731319	83731310
83732323	83732315	83732327
83733315	83733314	83733310

Standard products,
non stocked

1

Type

Example : Limit switch - 83 731 319