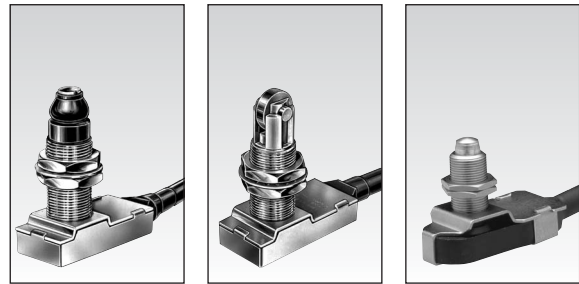


Automotive Limit Switches Series 83 731 / 83 732 / 83 733



1

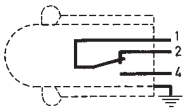
Conform to the following standards :
IEC 356.1 - EN 60204.1
NFC 20030 : Class I - 83 731 - 83 732
Class III - 83 733

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).

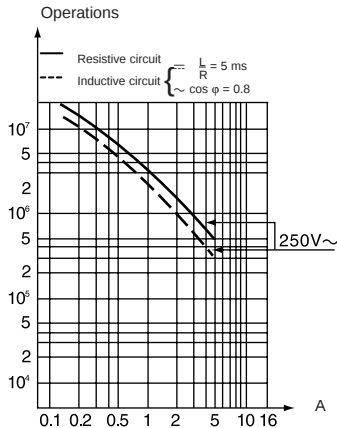
Principle :



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.

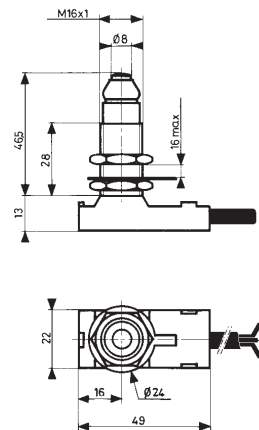
Types

		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)	6 (21.2)
Minimum total travel force	N (oz.)	35 (123.4)	35 (123.4)	25 (88.2)
Minimum operating travel	mm (in.)	2 (.079)	2 (.079)	1.5 (.059)
Differential travel	mm (in.)	0.2 (.008)	0.2 (.008)	0.2 (.008)
Max. total travel	mm (in.)	6 (.236)	6 (.236)	4 (.157)
Mechanical life	Operations	10 ⁶	10 ⁶	10 ⁶
Temperature limits	°C (°F)	- 5 + 70	- 5 + 70	- 5 + 70
Degree of protection	°C (°F)	IP 66	IP 66	IP 56
Weight	g (oz.)	110 (3.9)	110 (3.9)	70 (2.5)

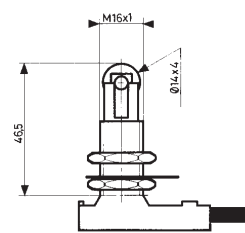
Dimensions

mm

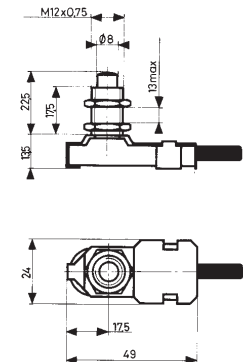
83 731 3



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 :

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

Standard products,
non stocked

1

Type

Example : Limit switch - 83 731 319

Products and specifications subject to change without notice.

Order/Technical Support – Tel: (800) 677-5311 / FAX: (800) 677-3865 / www.crouzet-usa.com