



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Limit switch for severe environments

→ Series 83 589

- Press button protected by O-ring and scraper seal



Main specifications

Housing		Features	Top-mounted plunger	
Thermoplastic		Standard	83 589 031	
Thermoplastic		Dual-current	83 589 801	
Mechanical characteristics				
Minimum operating force (N)			10	
Minimum total travel force (N)			15	
Minimum operating travel (mm)			2	
Differential travel (mm)			0.1	
Maximum total travel (mm)			4.5	
Mechanical life (millions of operations) mini.			10 ⁷	
Operating temperature (°C)			-40 → +85	
Protection rating			IP66/67	
Weight (g)			80	

General characteristics

Conformity to standards	NFC 20030 class I (the plunger is operated manually by an earthed metal part, or by an insulated part which provides additional insulation).
Version	Single-pole
Protection	IP66 resistant to hydrocarbons and saline mist (400 hours)

Electrical characteristics

Electrical endurance	Standard : 8 A 250 VAC : 30.000 operations 200 mA 24 V DC relay load L / R = 3 ms 10 ⁷ operations Dual-current : 1 mA 4 VAC : 10 ⁷ operations 200 mA 24 V DC relay load L / R = 3 ms 5 x 10 ⁶ operations 5 A 250 VAC : 30.000 operations
Dual-current	This version is designed to operate both on dual-current (1 mA 4 V minimum) and medium-current (5A) circuits. However, a given product should only be used to switch one type of circuit during its working life.

Connections

Cable	PVC Ø5 - 3 x 0.75 mm ² Length 0.50 m Conforming to NFR 13414/13415
Mounting	Max. tightening torque 9 Nm

Principles

Function

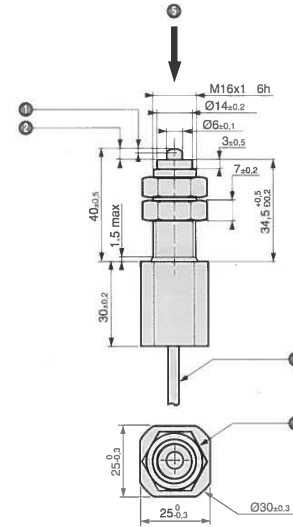
Single break two-way contact element (form C : changeover)



- ① Black (common)
- ② Grey (NC)
- ④ Blue (NO)

Dimensions

→ Product



- ① Operating travel
- ② Total travel
- ③ Cable Ø5 - 3 x 0.75 mm²
Length 0.50 m
- ④ 21 across flats
- ⑤ Direction of operation