

SNAP-ACTION SWITCHES

PRODUCT NUMBER 1085.0403



TECHNICAL DATA

Product number	1085.0403	
Business unit	Switches, Sensors & Controls	
Product Manager	-	
Product family	Snap-action switches	
Actuation type	indirect	
Packing unit	400	
Weight	7.000 g	
ROHS conform	yes	
Output	catalog before 2009 / Web-Shop / catalog	
Switching function	Changeover switch (SPDT momentary)	
Material fixed contact	AgNi	
Number of poles	1 - pole	
connections	Quick-connect terminal, 6.3 x 0.8	
Mechanical life endurance	20E4	
Rating IEC	16 (4) A 250 V AC 25E3	
Rating North America	16 A 125 - 250 V AC 1/2 HP	
Design	DIN 41635 A	
Contact resistance (new condition)	< 100 (1 A 12 V DC) mOhm	
Insulation resistance (new condition)	> 100 (500 V DC) MOhm	
Voltage strength at 250 V	<ul style="list-style-type: none"> → function insulation / basic insulation → reinforced insulation → small contact distance 	<ul style="list-style-type: none"> 1 500 V 3 000 V 500 V
Proof tracking	250 PTI	
Protection type	<ul style="list-style-type: none"> → Connection → Actuator 	<ul style="list-style-type: none"> IP 00 IP 40
Ambient temperature	→ connection side	-40 °C ... +125 °C

Storage temperature	-40 °C ... +80 °C
Flammability	UL 94 V-0
Glow wire test temperature	850 °C
Actuators and additional actuators	actuator: PETP glass fiber-reinforced, white natural, standard actuator
Housing description	housing: PA glass fiber-reinforced, natural cover: PA glass fiber-reinforced, natural
Connection surface	→ bearing connection silver plated
Contact material	AgNi
Contact distance	< 3 mm
Rating Code UL	R 109
Contact type	jump contact
Operating force	≤ 4.0 N
Difference travel max.	0.3 mm
Pretravel max.	2.0 mm
Overtravel	1.0 mm
Free position (FP) max.	16.2 mm
Operating position (OP)	14.7 ±0.5 mm
Permissible total travel position	13.2 mm
Approval marks	ENEC 10 / CSA / UL
Additional labeling	site, year, week of manuf.
Degree of pollution	3
Stock version	●

Technical changes reserved. Dimensions are not binding.
Detailed specifications available on request.

Marquardt GmbH · Schloss-Straße 16 · 78604 Rietheim-Weilheim · Germany
Phone: +49 (0) 7424 / 99-0 · Fax: +49 (0) 7424 / 99-2399 · www.marquardt.com · marquardt@marquardt.de