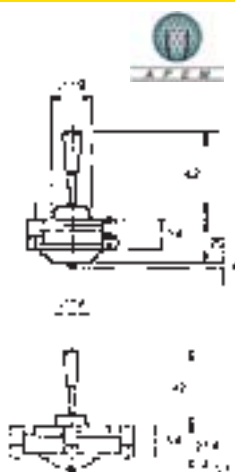


Microswitch Joysticks

Panel/Surface Mount Sealed Joysticks



- Assemblies fitted with 4 standard changeover microswitches
 - Joystick will activate none, one or two neighbouring microswitches depending on position
 - Supplied with two joystick guides to limit movement to one or two axes
 - Suitable for panel or surface mounting
 - Sealing to panel against dust and moisture provided by PVC gaiter at joystick base
 - Supplied with panel bezel and 4 fixing screws
- 989-5744 989-5736
Fixing centres=64.0 Fixing centres=36.0
- Contact rating 5A @ 250V ac 10A @ 250V ac
● Contact type Double throw
● Operation angle ±12°
● Termination Solder tab 6.3mm tag



Contact Rating	Mfrs. List No.	Order Code	1+	10+	100+
5 A	100113	989-5744	1,376.00	1,288.00	1,098.00
10 A	100114	989-5736	1,494.00	1,340.00	1,175.00

Microswitches

Microminiature PCB Mount - D2MQ Series

500mA @ 30V dc



- Super miniature design
 - Ideal for applications where size and weight restrictions are crucial
- Contacts SPDT
Operating temperature -15°C to 70°C
Insulation resistance 100MR min
Contact resistance 100mR max
Electrical life 10000 ops min
Mechanical life 30000 ops min

Vertical type	Mfrs. List No.	Order Code	1+	50+	100+
Plunger	D2MQ-1	990-1906	88.00	77.00	74.00
Lever	D2MQ-4L-1	990-1914	91.00	93.00	--
Right Angle Type					
Plunger	D2MQ-1-TR	990-1922	93.00	93.00	--
Lever	D2MQ-4L-1-R	990-1930	98.00	--	--

Subminiature 'V4' Style, IP67 Sealed

6A @ 250V ac



- Polyester housing UL recognised and sealed to IP67
- SPDT silver contacts
- Pre-wired with 500mm long 0.75mm² PVC leads
- Wire colour code: Blue = NO, Grey = NC, Black = Common

Mechanical life	1000000 ops	Operating temperature	-40°C to 120°C		
Electrical life	10000 ops				
Order codes	118-0024	118-0025	118-0026		
Operating force, max	2N	0.7N	0.8N		
Pre-travel, max	1	5	5		
Over-travel, max	0.6	1.5	1.5		
Differential travel	0.1	0.6	0.6		

Mfrs. List No.	Order Code	1+	25+	50+	100+
UDC1C-C3AA	118-0024	334.00	306.00	293.00	280.00
UDC1C-C3LC	118-0025	370.00	327.00	309.00	291.00
UDC1C-C3RC	118-0026	397.00	352.00	332.00	312.00

Subminiature 'V4' Style - IP67 Sealed and Unsealed

5 (1) A @ 250V ac



- SPDT silver contacts
- Fully sealed version to IP67
- Nylon 64 housing UL recognised
- Approved to VDE and BEAB

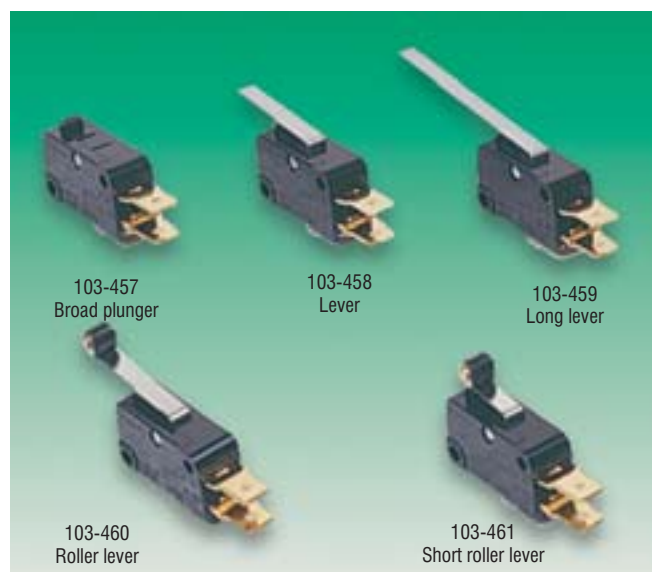
Mechanical life 10000000 ops Operating temperature -40°C to +125°C
Electrical life 100000 ops

IP67 Sealed Switches	Plunger	Lever	Long lever	Roller lever
Operating force (Max.)	2N	0.6N	0.17N	0.7N
Release force (Min.)	0.27N	0.08N	0.02N	0.09N
Pre travel (Max.)	1.2mm	4.1mm	21mm	3.45mm
Differential travel (Max.)	0.2mm	0.7mm	6.35mm	0.35mm
Actuator length	—	18mm	63mm	15mm
Unsealed Switches				
Operating force (Max.)	1.5N	0.45N	0.15N	0.51N
Release force (Min.)	0.27N	0.08N	0.02N	0.09N
Pre travel (Max.)	1.2mm	4.1mm	21mm	3.45mm
Differential travel (Max.)	0.2mm	0.7mm	6.35mm	0.35mm
Actuator length	—	18mm	63mm	15mm

IP67 Sealed Switches	Solder Type	List No.	Order Code	1+	50+	100+	250+
Plunger		19N402	521-840	151.00	132.00	118.00	96.00
Lever		19N402L18	521-851	148.00	135.00	126.00	107.00
Long lever		19N402L63	521-863	159.00	144.00	135.00	116.00
Roller lever		19N402R15	521-875	200.00	176.00	158.00	128.00
PCB Type							
Plunger		19N502	521-887	151.00	132.00	118.00	96.00
Lever		19N502L18	521-899	163.00	142.00	128.00	104.00
Long lever		19N502L63	521-905	175.00	152.00	138.00	112.00
Roller lever		19N502R15	521-917	200.00	176.00	158.00	128.00
Unsealed Switches							
Plunger		19N403	624-664	83.00	70.00	61.00	54.00
Lever		19N403L18	624-676	92.00	78.00	66.00	59.00
Long lever		19N403L63	624-688	97.00	82.00	71.00	63.00
Roller lever		19N403R15	624-690	110.00	94.00	81.00	70.00
PCB Type							
Plunger		19N503	624-706	83.00	70.00	61.00	54.00
Lever		19N503L18	624-718	92.00	78.00	66.00	59.00
Long lever		19N503L63	624-720	97.00	82.00	71.00	63.00
Roller lever		19N503R15	624-731	110.00	94.00	81.00	70.00

Miniature 'V3' Style - V Series

15A @ 240V ac



- Body fixing centres conform to international standards
- Switches with integral or separate actuator available

Contacts SPDT Electrical life 25000 ops
Mechanical life 500000 ops Operating temperature -25°C to +80°C

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Switches

Compliant
Non-compliant
RoHS
+ Limited stock - RoHS replacement available