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UM50E50A01



Actual product appearance may vary.

UM Series Subminiature Basic Switch, Single Pole Double Throw (SPDT), 250 Vac, 5 A, Pin Plunger Actuator, PCB Straight Right Angle Termination

Features

Choice of low energy or power duty electrical ratings (gold or silver contacts)
Form C singlepole double-throw (SPDT) circuitry
Rated to 10 A
Choice of actuation, termination and operating characteristics

Potential Applications

Appliances
Vending machines
Timing devices
Office equipment
Computer/business equipment
Test instruments
Medical/dental equipment
Communications equipment
HVAC equipment
Manually operated devices
Valves

Description

MICRO SWITCH™ UM Series subminiature basic switches are used for simple or precision ON/OFF application needs. The MICRO SWITCH™ UM Series switches are slightly larger than the MICRO SWITCH™ UX Series switches. These switches combine small size and light weight with ample electrical capacity, low cost and long life.

Supporting Documentation

- ▣ [Dimensions](#)
- ▣ [Engineering Drawing](#)

Product Specifications	
Switch Type	MICRO SWITCH™ Subminiature 12,7 mm H x 6,35 mm W x 20,3 mm L [0.5 in H x 0.25 in W x 0.8 in L]
Sealed	No
Ampere Rating	5 A
Circuitry	Single Pole Double Throw (SPDT)
Actuator	Pin Plunger
Termination	PCB Straight Right Angle
Operating Temperature Range	-25 °C to 85 °C [-13 °F to 185 °F]
Voltage	250 Vac
Approvals	CE, CSA, UL, SEMKO, VDE
Contact Type	Silver
Operating Force (O.F.)	1,47 N [5.3 oz] max.
Release Force (R.F.)	0,20 N [0.705 oz] min.
Pretravel (P.T.)	0,6 mm [0.024 in] max.
Overtravel (O.T.)	0,4 mm [0.016 in] min.
Differential Travel (D.T.)	0,1 mm [0.004 in] max.
Operating Position (O.P.)	8,4 mm ± 0,3 mm [0.331 in ± 0.012 in]
Housing Material	PBT Polyester Thermoplastic
CE mark	61058 -1
UL File #	E12252
CSA File #	LR23413M167
Agency Approvals and Standards	1054
Mounting Screw Size	2,3 mm [0.09 in]
Mounting Centers	9,65 mm [0.38 in]
Maximum Tightening Torque	0,29 N m [2.6 in lb]
Weight	0,2 g [0.007 oz]
Package Height	10,9 mm [0.43 in]
Package Width	6,35 mm [0.25 in]
Package Length	19,8 mm [0.78 in]
Availability	Global
UNSPSC Code	30211905
UNSPSC Commodity	30211905 Snap switches
Series Name	UM

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