

Interactive Catalog Replaces Catalog Pages

Honeywell Sensing and Control has replaced the PDF product catalog with the new **Interactive Catalog**. The **Interactive Catalog** is a power search tool that makes it easier to find product information. It includes more installation, application, and technical information than ever before.



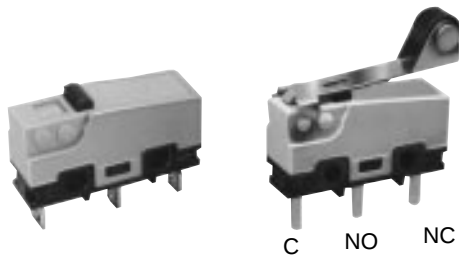
**Click this icon to try the new
Interactive Catalog.**

Sensing and Control
Honeywell Inc.
11 West Spring Street
Freeport, Illinois 61032



Basic Switches
Subminiature

UM Series



FEATURES

- Choice of low energy or power duty electrical ratings
- Variety of integral actuators
- Temperature Range: -25° to +85°C (-13° to 185°F)
- Weight: 2 grams (.07 oz.)
- UL/CSA/VDE/SEMKO marking designations
- Form C single-pole double-throw (SPDT) circuitry

ELECTRICAL RATINGS (in amps)

Voltage	UM50E Silver Contacts		UM40B/D Silver Contacts		UM10A/B/D/E Gold Contacts
	Resistive	Inductive	Resistive	Inductive	Resistive
125 VAC	5	3	3	2	0.1
250 VAC	5	3	3	2	0.1
30 VDC	5	3*	3	2*	0.1

*Time constant for DC inductive loads: less than 7 msec.
UL File No. E12252, CSA File LR23413M167

ORDER GUIDE 0.1 AMP TYPE GOLD CONTACTS

Rating	Actuator Length	O.F. max. grams oz.	Terminals		R.F. min. g ounces	P.T. max. mm inches	O.T. min. mm inches	D.T. max. mm inches	O.P mm inches
			Solder	.110 QC					
 0.1 Amp 250 VAC	A pin plunger	25 .88	UM10A10A01	UM10A70A01	2 .071	0,6 .024	0,4 .016	0,1 .004	8,4 ± 0,3 .331 ± .012
		50 1.76	UM10B10A01	UM10B70A01	7,5 .265	0,6 .024	0,4 .016	0,1 .004	8,4 ± 0,3 .331 ± .012
		100 3.57	UM10D10A01	UM10D70A01	15 .529	0,6 .024	0,4 .016	0,1 .004	8,4 ± 0,3 .331 ± .012
		150 5.3	UM10E10A01	UM10E70A01	20 .705	0,6 .024	0,4 .016	0,1 .004	8,4 ± 0,3 .331 ± .012
	B flat lever 18mm	10 .35	UM10A10B01	UM10A70B01	0,4 .014	2,5 .098	0,8 .031	0,5 .020	8,8 ± 0,8 .346 ± .031
		20 .7	UM10B10B01	UM10B70B01	1,7 .060	2,5 .098	0,8 .031	0,5 .020	8,8 ± 0,8 .346 ± .031
		40 1.4	UM10D10B01	UM10D70B01	3,5 .123	2,5 .098	0,8 .031	0,5 .020	8,8 ± 0,8 .346 ± .031
		60 2.1	UM10E10B01	UM10E70B01	4,0 .141	2,5 .098	0,8 .031	0,5 .020	8,8 ± 0,8 .346 ± .031
	C flat lever 20mm	8 .28	UM10A10C01	UM10A70C01	0,35 .012	2,8 .110	1,2 .047	0,8 .031	8,8 ± 0,8 .346 ± .031
		16 .56	UM10B10C01	UM10B70C01	1,5 .053	2,8 .110	1,2 .047	0,8 .031	8,8 ± 0,8 .346 ± .031
		35 1.23	UM10D10C01	UM10D70C01	3,0 .106	2,8 .110	1,2 .047	0,8 .031	8,8 ± 0,8 .346 ± .031
		55 2	UM10E10C01	UM10E70C01	3,5 .123	2,8 .110	1,2 .047	0,8 .031	8,8 ± 0,8 .346 ± .031
	D flat lever 26mm	12 .4	UM10B10D01	UM10B70D01	1,2 .042	3,5 .138	1,6 .063	1,0 .039	8,8 ± 1,2 .346 ± .047
		25 .88	UM10D10D01	UM10D70D01	2,5 .088	3,5 .138	1,6 .063	1,0 .039	8,8 ± 1,2 .346 ± .047
		45 1.6	UM10E10D01	UM10E70D01	3,0 .106	3,5 .138	1,6 .063	1,0 .039	8,8 ± 1,2 .346 ± .047

ORDER GUIDE 0.1 AMP TYPE GOLD CONTACTS cont.

Rating	Actuator Length	O.F. max. grams oz.	Terminals		R.F. min. g ounces	P.T. max. mm inches	O.T. min. mm inches	D.T. max. mm inches	O.P mm inches
			Solder	.110 QC					
0.1 Amp 250 VAC 	J flat lever 60mm	6 .2	UM10B10J01	UM10B70J01	0,5 .018	8,5 .335	2,2 .087	2,5 .098	8,8 ± 2,4 .346 ± .094
		15 .52	UM10D10J01	UM10D70J01	1,0 .035	8,5 .335	2,2 .087	2,5 .098	8,8 ± 2,4 .346 ± .094
		20 .7	UM10E10J01	UM10E70J01	1,0 .035	8,5 .335	2,2 .087	2,5 .098	8,8 ± 2,4 .346 ± .094
0.1 Amp 250 VAC 	E simulated roller lever, radius 2,5mm, 19mm	16 .56	UM10B10E01	UM10B70E01	1,5 .053	2,8 .110	1,2 .047	0,8 .031	11,65 ± 0,8 .459 ± .031
		35 1.23	UM10D10E01	UM10D70E01	3,0 .106	2,8 .110	1,2 .047	0,8 .031	11,65 ± 0,8 .459 ± .031
		55 2	UM10E10E01	UM10E70E01	3,5 .123	2,8 .110	1,2 .047	0,8 .031	11,65 ± 0,8 .459 ± .031
	H simulated roller lever, radius 1,3mm, 19mm	16 .56	UM10B10H01	UM10B70H01	1,5 .053	2,8 .110	1,2 .047	0,8 .031	10,7 ± 0,8 .421 ± .031
		35 1.23	UM10D10H01	UM10D70H01	3,0 .106	2,8 .110	1,2 .047	0,8 .031	10,7 ± 0,8 .421 ± .031
		55 2	UM10E10H01	UM10E70H01	3,5 .123	2,8 .110	1,2 .047	0,8 .031	10,7 ± 0,8 .421 ± .031
0.1 Amp 250 VAC 	F roller lever 18,00mm	20 .7	UM10B10F01	UM10B70F01	1,7 .060	2,5 .098	0,8 .031	0,5 .020	14,50 ± 0,8 .571 ± .031
		40 1.4	UM10D10F01	UM10D70F01	3,5 .123	2,5 .098	0,8 .031	0,5 .020	14,50 ± 0,8 .571 ± .031
		60 2.1	UM10E10F01	UM10E70F01	4,0 .141	2,5 .098	0,8 .031	0,5 .020	14,50 ± 0,8 .571 ± .031

Miniature/
Subminiature

OTHER TERMINATION TYPES ARE AVAILABLE

For PC Straight cross-line, change 2nd set of numbers to 20 (Example: UM10A**20**A01)
For PC Straight international, change 2nd set of numbers to 40 (Example: UM10A**40**A01)
For PC Straight right angle, change 2nd set of numbers to 50 (Example: UM10A**50**A01)
For PC Straight left angle, change 2nd set of numbers to 60 (Example: UM10A**60**A01)

ORDER GUIDE 3 AND 5 AMP TYPE SILVER CONTACTS

Rating	Actuator Length	O.F. max. grams oz.	Terminals		R.F. min. g ounces	P.T. max. mm inches	O.T. min. mm inches	D.T. max. mm inches	O.P mm inches
			Solder	.110 QC					
 3 Amp 250 VAC	A pin plunger	50 1.76	UM40B10A01	UM40B70A01	7,5 .265	0,6 .024	0,4 .016	0,1 .004	8,4 ± 0,3 .331 ± .012
		100 3.527	UM40D10A01	UM40D70A01	15,0 .529	0,6 .024	0,4 .016	0,1 .004	8,4 ± 0,3 .331 ± .012
 3 Amp 250 VAC	B flat lever 18mm	20 .7	UM40B10B01	UM40B70B01	1,7 .060	2,5 .098	0,8 .031	0,5 .020	8,8 ± 0,8 .346 ± .031
		40 1.4	UM40D10B01	UM40D70B01	3,5 .123	2,5 .098	0,8 .031	0,5 .020	8,8 ± 0,8 .346 ± .031
	C flat lever 20mm	16 .56	UM40B10C01	UM40B70C01	1,5 .053	2,8 .110	1,2 .047	0,8 .031	8,8 ± 0,8 .346 ± .031
		35 1.23	UM40D10C01	UM40D70C01	3,0 .106	2,8 .110	1,2 .047	0,8 .031	8,8 ± 0,8 .346 ± .031
	D flat lever 26mm	12 .4	UM40B10D01	UM40B70D01	1,2 .042	3,5 .138	1,6 .063	1,0 .039	8,8 ± 1,2 .346 ± .047
		25 .88	UM40D10D01	UM40D70D01	2,5 .088	3,5 .138	1,6 .063	1,0 .039	8,8 ± 1,2 .346 ± .047
	J flat lever 60mm	6 .2	UM40B10J01	UM40B70J01	0,5 .018	8,5 .335	2,2 .087	2,5 .098	8,8 ± 2,4 .346 ± .094
		15 .52	UM40D10J01	UM40D70J01	1,0 .035	8,5 .335	2,2 .087	2,5 .098	8,8 ± 2,4 .346 ± .094
 3 Amp 250 VAC	E simulated roller lever, radius 2,5mm 19mm	16 .56	UM40B10E01	UM40B70E01	1,5 .053	2,8 .110	1,2 .047	0,8 .031	11,65 ± 0,8 .459 ± .031
		35 1.23	UM40D10E01	UM40D70E01	3,0 .106	2,8 .110	1,2 .047	0,8 .031	11,65 ± 0,8 .459 ± .031
	H simulated roller lever, radius 1,3mm 19,15mm	16 .56	UM40B10H01	UM40B70H01	1,5 .053	2,8 .110	1,2 .047	0,8 .021	10,7 ± 0,8 .421 ± .031
		35 1.23	UM40D10H01	UM40D70H01	3,0 .106	2,8 .110	1,2 .047	0,8 .031	10,7 ± 0,8 .421 ± .031
 F roller lever 18mm	F roller lever 18mm	20 .7	UM40B10F01	UM40B70F01	1,7 .060	2,5 .098	0,8 .031	0,5 .020	14,50 ± 0,8 .571 ± .031
		40 1.4	UM40D10F01	UM40D70F01	3,5 .123	2,5 .098	0,8 .031	0,5 .020	14,50 ± 0,8 .571 ± .031
 5 Amp 250 VAC	A pin plunger	150 5.3	UM50E10A01	UM50E70A01	20 .705	0,6 .024	0,4 .016	0,1 .004	8,4 ± 0,3 .331 ± .012
		60 2.1	UM50E10B01	UM50E70B01	4,0 .141	2,5 .098	0,8 .031	0,5 .020	8,8 ± 0,8 .346 ± .031
		55 2	UM50E10C01	UM50E70C01	3,5 .123	2,8 .110	1,2 .047	0,8 .031	8,8 ± 0,8 .346 ± .031
		45 1.6	UM50E10D01	UM50E70D01	3,0 .106	3,5 .138	1,6 .063	1,0 .039	8,8 ± 1,2 .346 ± .047
			UM50E10J01	UM50E70J01	1,0 .035	8,5 .335	2,2 .087	2,5 .098	8,8 ± 2,4 .346 ± .094
	E simulated roller lever, radius 2,5mm 19mm	55 2	UM50E10E01	UM50E70E01	3,5 .123	2,8 .110	1,2 .047	0,8 .031	11,65 ± 0,8 .459 ± .031
	H simulated roller lever, radius 1,3mm 19mm	55 2	UM50E10H01	UM50E70H01	3,5 .123	2,8 .110	1,2 .047	0,8 .031	10,7 ± 0,8 .421 ± .031
	F roller lever 18mm	60 2.1	UM50E10F01	UM50E70F01	4,0 .141	2,5 .098	0,8 .031	0,5 .020	14,50 ± 0,8 .571 ± .031

OTHER TERMINATION TYPES ARE AVAILABLE

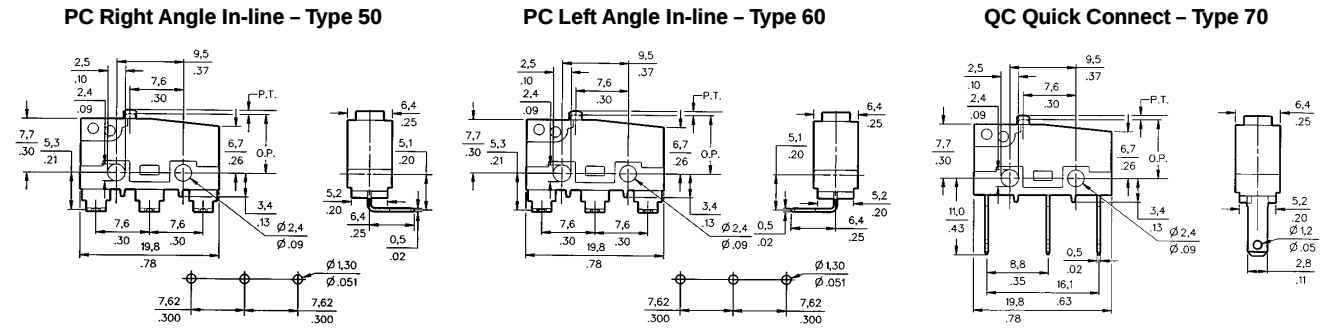
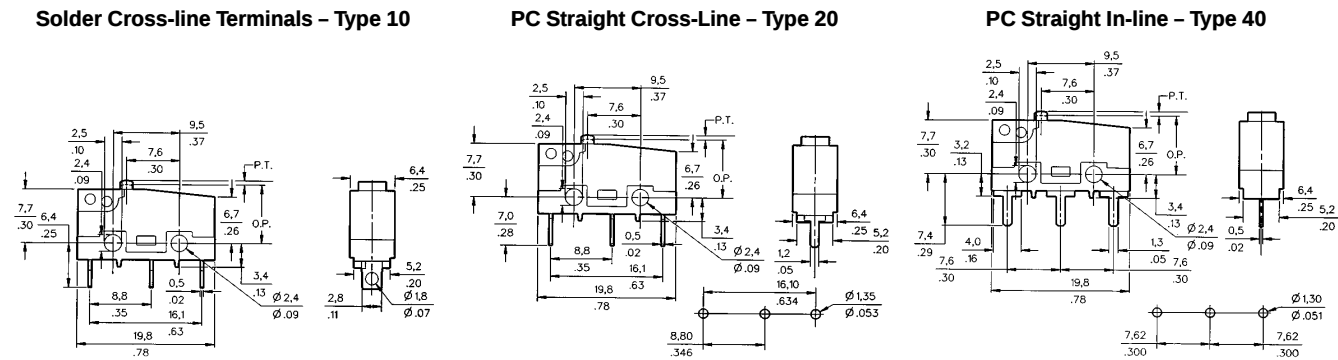
For PC Straight cross-line, change 2nd set of numbers to 20 (Example: UM40B20A01)
For PC Straight international, change 2nd set of numbers to 40 (Example: UM40B40A01)
For PC Straight right angle, change 2nd set of numbers to 50 (Example: UM40B50A01)
For PC Straight left angle, change 2nd set of numbers to 60 (Example: UM40B60A01)

Basic Switches
Subminiature

UM Series

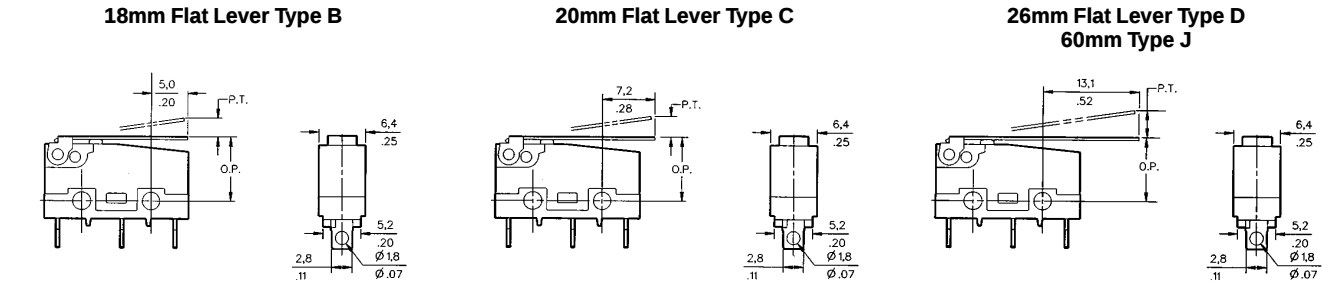
MOUNTING DIMENSIONS (for reference only) $\frac{\text{mm}}{\text{in.}}$

Pin Plunger Type A



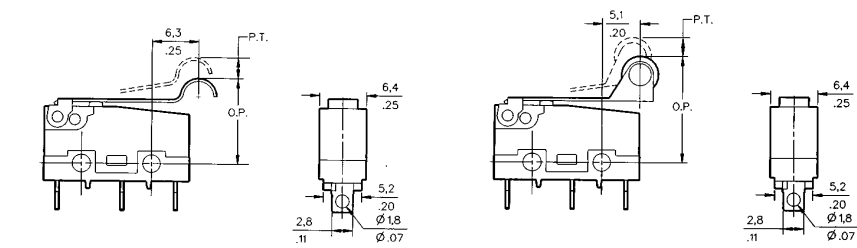
Miniature/
Subminiature

Lever Actuators 4mm (.158) wide



19mm Simulated Roller Type E/H
Type H has 1,3mm radius
Type E has 2,5mm radius

18mm Roller Lever Type F
5mm (.197 in.) dia. x 3,2mm (.126 in.)
thick roller



Mounting screw size is m 2,3.
Maximum tightening torque is 3 kg-cm.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Honeywell:

<u>UM10B10A01</u>	<u>UM10B60F01</u>	<u>UM10B70A01</u>	<u>UM10D10A01</u>	<u>UM10D70A01</u>	<u>UM10E10A01</u>	<u>UM10E10B01</u>
<u>UM10E10E01</u>	<u>UM10E11AS1</u>	<u>UM10E20A01</u>	<u>UM10E40A01</u>	<u>UM10E50A01</u>	<u>UM10E60C01</u>	<u>UM10E60E01</u>
<u>UM10E70A01</u>	<u>UM10E70E01</u>	<u>UM10E90AS1</u>	<u>UM40B10A01</u>	<u>UM40B40A01</u>	<u>UM40B70A01</u>	<u>UM50E10A01</u>
<u>UM50E10B01</u>	<u>UM50E10C01</u>	<u>UM50E10D01</u>	<u>UM50E10E01</u>	<u>UM50E10F01</u>	<u>UM50E40A01</u>	<u>UM50E50A01</u>
<u>UM50E50F01</u>	<u>UM50E60A01</u>	<u>UM50E60B01</u>	<u>UM50E60C01</u>	<u>UM50E70A01</u>	<u>UM50E70C01</u>	<u>UM50E70F01</u>
<u>UM40B50F01</u>						