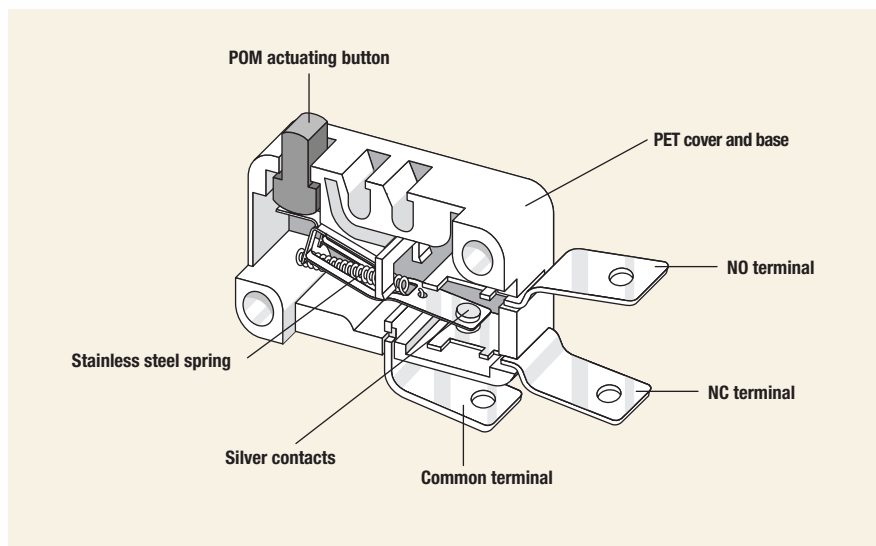


MINIATURE D3 Series

Features

- Self-cleaning effect of wiping contact mechanism provides excellent reliability
- Suitable for low actuation speeds
- Highly flexible, due to two mounting positions and a variety of auxiliary actuators
- Wide variety of terminal types
- >3mm (0.12") contact gap available



Electrical Ratings

Switch Series	EN61058 Rating	UL1054 Rating	Electrical Life at Rated Load	
			According to EN (Min. Operations)	According to UL (Min. Operations)
D38 – Std.	16(4)A, 250V~ 10(3)A, 400V~	16A, 125/250VAC, 1HP	50,000	6,000

Specifications

Electrical

Temperature Rating:	-40° to +85°C
Flammability Rating:	UL94V-O

Materials

Case:	PET
Actuator:	POM
Auxiliary Actuator:	Stainless Steel; Nickel-Plated Steel
Terminals:	Copper-Zinc
Contacts:	Silver Cadmium Oxide

PET = Polyethyleneterephthalate • POM = Polyacetal



Contact Gap >3mm (0.12 inch)

Electrical Ratings

Switch Series	EN61058 Rating	UL1054 Rating	Electrical Life at Rated Load	
			According to EN (Min. Operations)	According to UL (Min. Operations)
D36	4(3)A, 250V~	4A, 250VAC, 1/3HP 125/250VAC	50,000	10,000
D37	10(4)A, 250V~	10A, 1/2HP, 125/250VAC	50,000	6,000
D3B	8(8)A, 250V~	10A, 1/2HP, 125/250VAC	50,000	10,000

Actuator Specifications

Actuator Code	Switch Type	Maximum Operating Force (cN)	Maximum Pre-Travel inches (mm)	Operating Point* inches (mm)	Minimum Over-Travel inches (mm)	Max. Movement Differential inches (mm)	Max. Rest Position inches (mm)	Actuation Length inches (mm)
AA		500	0.075 (1.9)	0.567±0.020 (14.4±0.5)	0.028 (0.7)	0.047 (1.2)	0.63 (16.0)	—
MA/KA		320	0.134 (3.4)	0.579±0.031 (14.7±0.8)	0.035 (0.9)	0.079 (2.0)	0.71 (18.0)	1.012 (25.7)
TA		forces and travel available upon request						0.988 (25.1)
UA		forces and travel available upon request						0.988 (25.1)
MD/KD		150	0.295 (7.5)	0.563±0.075 (14.3±1.9)	0.075 (1.9)	0.177 (4.5)	0.86 (21.8)	1.579 (40.1)
TD		forces and travel available upon request						1.520 (38.6)
KL		65	0.669 (17.0)	0.512±0.165 (13.0±4.2)	0.165 (4.2)	0.409 (10.4)	1.21 (30.8)	2.929 (74.4)
LA/JA		550	0.075 (1.9)	0.587±0.020 (14.9±0.5)	0.024 (0.6)	0.047 (1.2)	0.66 (16.8)	0.835 (21.2)
RA		forces and travel available upon request						0.811 (20.6)
SA		forces and travel available upon request						0.811 (20.6)
LD/JD		240	0.177 (4.5)	0.575±0.047 (14.6±1.2)	0.047 (1.2)	0.102 (2.6)	0.76 (19.2)	1.402 (35.6)
RD		forces and travel available upon request						1.343 (34.1)
JL		100	0.425 (10.8)	0.520±0.110 (13.2±2.8)	0.126 (3.2)	0.256 (6.5)	0.098 (25.0)	2.752 (69.9)

Ordering Information

D3 Series/Prefix			7 Code			4 Contact Configuration			Q3 Actuator Code			LD See table above		
			4			SPST NO								
			5			SPST NC (D3B only)								
			6			SPDT (D3B only)								

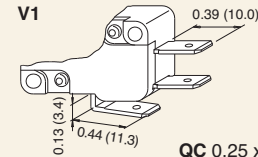
Code	UL Rating	EN 61058 Rating
6	4A, 1/3HP, 125/250VAC	4(3)A, 250V~
7	10A, 1/2HP, 125/250VAC	10(4)A, 250V~
B	10A, 1/2HP, 125/250VAC	8(8)A, 250V~

Code	Terminal Type	inches (mm)
V1	0.25 x 0.03 (6.3 x 0.8) QC, Straight	
V3	0.25 x 0.03 (6.3 x 0.8) QC, Dog Leg	
Q1	0.19 x 0.03 (4.8 x 0.8) QC, Straight	
Q3	0.19 x 0.03 (4.8 x 0.8) QC, Dog Leg	
C1	0.11 x 0.03 (2.8 x 0.8) QC, Bifurcated Straight*	
C3	0.11 x 0.03 (2.8 x 0.8) QC, Bifurcated Dog Leg*	
S8	Solder with Temp. Stop	
W9	Screw (D3B only)	
A8	Welding	

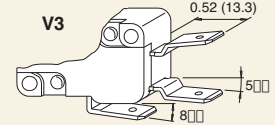
Note: PCB terminals available upon request.
*D3B only.

Terminal Options

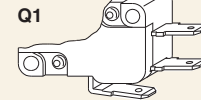
QC 0.25 x 0.03 (6.3 x 0.8)



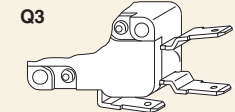
QC 0.25 x 0.03 (6.3 x 0.8)
Dog Leg



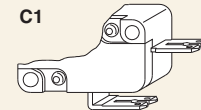
QC 0.19 x 0.03 (4.8 x 0.8)
Straight



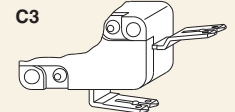
QC 0.19 x 0.03 (4.8 x 0.8)
Dog Leg



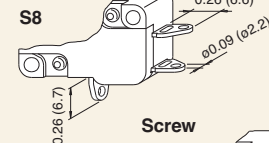
QC 0.11 x 0.03 (2.8 x 0.8)
Bifurcated, Straight



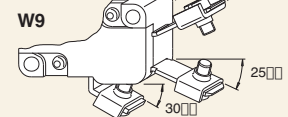
QC 0.11 x 0.03 (2.8 x 0.8)
Bifurcated, Dog Leg



Solder



Screw



Welding

