

# Miniature Microswitches

Product	Series	Type	Rating (max)	Degree of protection	Operating temperature	Operating Force (max)	Differential Travel (max)	Overtravel (min)	Mechanical life (cycles)	Datasheet *
 28x16x10	V3 83161	Premium	20 A 250 Vac	IP40	-60 °C +150 °C	0.15 --> 5 N	0.35 mm; 0.8 mm	1.2 mm	50*10 <sup>6</sup>	
 28x16x10	83160	Standard	16 A 250 Vac	IP40	-40 °C +150 °C	1 --> 5 N	0.3 mm; 0.7 mm	1.3 mm	10*10 <sup>6</sup>	
 31x23x10	V3S 83169	Sealed	8 A 250 Vac	IP67 IP69	-40 °C +105 °C	4.5 N	0.07 mm; 0.35 mm	1 mm	5*10 <sup>6</sup>	
 24x31x9	83139	Sealed Double break	6 A 250 Vac	IP66 IP67	-40 °C +105 °C	3 N	0.45 mm	0.25 mm	10*10 <sup>6</sup>	
 30x18x12	83137	Ultra sensitive Rotary	6 A 250 Vac	IP40	-20 °C +125 °C	0.0012 Nm	14°	12°	10*10 <sup>6</sup>	
 20x10x6	V4 83170	Premium	12 A 250 Vac	IP40	-40 °C +150 °C	0.6 --> 2.2 N	0.08 mm; 0.15 mm	0.5 mm	30*10 <sup>6</sup>	
 20x10x6	V4S 8318	Sealed	10 A 250 Vac	IP67 IP69	-40 °C +125 °C	2.5 N	0.10 mm; 0.15 mm	0.5 mm	2*10 <sup>6</sup>	
 20x10x6	83132 83133 83134	Double break (option: Maintained Action)	6 A 250 Vac	IP40	-40 °C +150 °C	1.6 N; 2.6 N	0.45 mm	0.27 mm	10*10 <sup>6</sup>	