

MEC CAP SELECTION GUIDE

	NON-ILLUMINATED	NON-ILLUMINATED & ILLUMINATED		ILLUMINATED	
ROUND	1SS <ul style="list-style-type: none"> • Ø6.5 mm • h=8.0-22.5 mm • Variable heights • 7 std color options • For 5E 	1JS <ul style="list-style-type: none"> • Low cap perfect for under overlay • Ø9.6 mm • h=10.4 mm • 9 std color options 	1DS <ul style="list-style-type: none"> • Ø9.6 mm • h=14.9 mm • Chamfer edge • 18 color options • Std legends available 	1GAS <ul style="list-style-type: none"> • Flat cap perfect for under overlay • Ø11 mm • h=12.5 mm • 9 std color options 	
	Varimec round <ul style="list-style-type: none"> • Ø5.2; 7.8; 11.6 mm • h=10.4-22.5 mm • Variable heights • 5 std color options • For 3E 	1US <ul style="list-style-type: none"> • Panel sealed* • Rounded top • Ø10.6 mm • h=14.9 mm • 5 std color options *add 1UW for IP67 	1ZCS <ul style="list-style-type: none"> • Rounded top • Ø14.3 mm • h=11.7 mm • 11 std color options • Std legends available 	1GCS <ul style="list-style-type: none"> • Flat cap perfect for under overlay • Ø15 mm • h=12.5 mm • 9 std color options 	1IS <ul style="list-style-type: none"> • Fully-illuminated • Ø6.5 mm • h=10.4-22.5 mm • Variable heights • 2 std color options
	10G <ul style="list-style-type: none"> • Ø11.5 mm • h=4.9 mm • Concave top • Antirootation cutout • for 6C/3C 	Controlmec 1Z <ul style="list-style-type: none"> • Single cap for display navigation • Ø29.5 mm • h=12.0 mm • 4 std color options • Std legends available 	Controlmec 1ZW <ul style="list-style-type: none"> • Panel sealed to IP67 • For display navigation • Ø29.5 mm • h=12.3 mm • 4 std color options • Std legends available 	Aquamec <ul style="list-style-type: none"> • Panel sealed to IP67 • Ø10.6 mm • from front panel h=14.3 mm • Total h=24.2-27.2 mm 	1ES <ul style="list-style-type: none"> • Illuminated with lens • Ø9.6 mm • h=14.9 mm • 3 std color options • 5 lens color options
SQUARE/RECTANGULAR	1ZA <ul style="list-style-type: none"> • Rocker-action cap • 18.65 x 10.1 mm • h=12.2 mm • 10 std color options • Combinable with 1A/1H/1M 	10R/10RF <ul style="list-style-type: none"> • Rounded or flat top • Ø30 mm • h=12.6/11.0 mm • 8 std color options • Std legends available 	10RM <ul style="list-style-type: none"> • Metal plate front • Ø30 mm • h=11 mm • Frosted white • Std legends available 	Navimec <ul style="list-style-type: none"> • Designed for display navigation • Ø34.25 mm • h=11.7/12.2 mm • Std legends available 	1FS <ul style="list-style-type: none"> • Illuminated with lens • Ø9.6 mm • h=14.9 mm • 3 std color options • 5 lens color options • Std legends available
	1M <ul style="list-style-type: none"> • Rocker-action cap • 25.0 x 10.1 mm • h=12.2 mm • 4 std color options • Combinable with 1A/1H/1ZA 	1PS <ul style="list-style-type: none"> • Concave top • 12.5 x 6.5 mm • h=15.7 mm • 9 std color options 	1XS <ul style="list-style-type: none"> • Flat top • Rounded edges • 7.4 x 9.4 mm • h=18.5 mm • 5 std color options 	10C <ul style="list-style-type: none"> • Concave top • Ø19.2 mm • h=13.7 mm • Consists of two pieces • Excellent for illumination 	1QS/1RS <ul style="list-style-type: none"> • Rectan. or round lens • Concave cap • 12.5 x 6.5 mm • h=15.7 mm • 3 std color options
	Varimec square <ul style="list-style-type: none"> • 5.2; 7.8; 11.6 mm • h=10.4-22.5 mm • Variable bezel options • 5 std color options • For 3E 	1A <ul style="list-style-type: none"> • Rocker-action cap • 12.5 x 10.1 mm • h=12.2 mm • 8 std color options • Combinable with 1H/1M/1ZA 	1B + 2C/2D <ul style="list-style-type: none"> • Rocker-action cap • 15.1 x 15.1 mm • h=12.2 mm • 8 std color options • Std legends available 	1TS <ul style="list-style-type: none"> • Panel sealed* • Rounded top • 10.6 x 10.6 mm • h=14.9 mm • 5 std color options *add 1TW for IP65 	1H <ul style="list-style-type: none"> • Rocker-action cap • 12.5 x 10.1 mm • h=12.2 mm • 2 std color options • 5 std lens colors • Combinable with 1A/1M/1ZA
	16300 <ul style="list-style-type: none"> • Rounded top • 6.0 x 12.3 (15.1x15.1) • Various bezel options • h=16.9 or 20.5 mm • Std color & legend options • For Unimec 	10Q <ul style="list-style-type: none"> • Flat top • 22 x 22 mm • h=11 mm • 8 std color options • Std legends available 	10QM <ul style="list-style-type: none"> • Metal plate front • 22 x 22 mm • h=11 mm • Frosted white • Std legends available 	1KS <ul style="list-style-type: none"> • Flat top • 14.3 x 14.3 mm • h=19.1 mm • 8 std color options • Bezel 2K option 	1KBS/1KCS <ul style="list-style-type: none"> • Convex or concave top • 14.3 x 14.3 mm • h=20.2/20.1 mm • Bezel 2K option • Transparent lid frosted white lens
	16700 <ul style="list-style-type: none"> • Concave top • 14.9 x 14.9 mm • h=14.6 mm • 7 std color options • Std legends available • For Unimec 	1NS <ul style="list-style-type: none"> • Teardrop-shaped cap • Ø9.6/ 13.3 x 11.0 mm • h=14.9 mm • 3 std color options • For indicating or navigating 	1VS <ul style="list-style-type: none"> • Panel sealed* • Rounded top • 10.4 x 13.25 mm • h=14.9 mm • 5 std color options *add 1VW for IP65 	Rockermec <ul style="list-style-type: none"> • Panel sealed to IP67 • 28.0 x 10.6 mm • h=12.15 mm • 4 std color options • Std legends available • For 5E/3C 	1YS/1YAS <ul style="list-style-type: none"> • For under overlay • Illuminated by chip LEDs on PCB • 15mm x 15 mm • h=12.5 mm • For 5E
	OTHER	2SS <ul style="list-style-type: none"> • Extender • Black • h=5.0-10.0 mm • For 5G caps 	1WAS <ul style="list-style-type: none"> • Ellipse-shaped • Convex • 6.5 x 12.5 mm • h=14.9 mm • 3 std color options 	1WDS <ul style="list-style-type: none"> • Ellipse-shaped • Convex • 8.0 x 15.2 mm • h=14.9 mm • 3 std color options 	1WPS <ul style="list-style-type: none"> • Ellipse-shaped • Concave • 6.5 x 12.5 mm • h=15.7 mm • 3 std color options



MEC SWITCH SELECTION GUIDE

	SWITCH	SPECIFICATIONS
UNIMEC	 <p>154XX</p> <ul style="list-style-type: none"> • 12.6 x 12.6 mm (0.496" x 0.496") • h=15.7 mm (0.618") • Excellent when redundancy is required 	<ul style="list-style-type: none"> • TH • Max. 250 mA/ 120 V/ 9 W AC/ 6 W DC • Double pole • 8 contact functions • Momentary or latching • Min. 5,000,000 cycles lifetime • Temperature range: -40/+160 °C (-40/+320 °F) • IP54 sealing • Actuation force: 2.5 N • Travel: 1.8 mm (0.071") • Packed in tubes
MULTIMEC	 <p>3C</p> <ul style="list-style-type: none"> • 10 x 10 mm (0.394" x 0.394") • h=6.4 mm (0.252") • Excellent for under overlay and over-mold 	<ul style="list-style-type: none"> • TH, SMD or TH RAS • 50 mA/ 24 VDC • single pole • Momentary • Normally open • 10,000,000 cycles lifetime • Temperature range: Switch -40/+160 °C (-40/+320 °F) • Temperature range: LED -40/min.+85 °C (-40/min. +185 °F) • IP67 sealing • Actuation force: 3.5 N • Travel: 1.0 mm (0.039") • Packed in tubes or tape & reel
	 <p>3E</p> <ul style="list-style-type: none"> • 10 x 10 mm (0.394" x 0.394") • h=6.4 mm (0.252") • Keycaps for variable heights 	
	 <p>3F</p> <ul style="list-style-type: none"> • 10 x 10 mm (0.394" x 0.394") • h=10.4 mm (0.409") • Illumination option (incl RAS) 	
ILLUMEC	 <p>4F</p> <ul style="list-style-type: none"> • 10 x 10 mm (0.394" x 0.394") • h=10.4 mm (0.409") • Integrated chip-LEDs 	<ul style="list-style-type: none"> • Illuminated switch • TH or SMD • 50 mA/ 24 VDC • Single pole • Momentary • Normally open • 10,000,000 cycles lifetime • Temperature range: Switch -40/+160 °C (-40/+320 °F) • Temperature range: LED -40/min.+85 °C (-40/min. +185 °F) • IP67 sealing • Actuation force: 3.5 N • Travel: 1.0 mm (0.039") • Packed in tubes or tape & reel
MULTIMEC	 <p>5E</p> <ul style="list-style-type: none"> • 10 x 10 mm (0.394" x 0.394") • h=6.4 mm (0.252") • Keycaps for variable heights 	<ul style="list-style-type: none"> • TH, SMD or non-illuminated TH RAS • 50 mA/ 24 VDC • Single pole • Momentary • 10,000,000 cycles lifetime • Temperature range: Switch -40/+160 °C (-40/+320 °F) • Temperature range: LED -40/min.+85 °C (-40/min. +185 °F) • IP67 sealing • Actuation force: 2.0 N, 3.5 N or 6.5 N • Quiet option with 2.0 N • Normally open or normally open/normally closed • Travel: 1.0 mm (0.039") • Packed in tubes or tape & reel
	 <p>5G</p> <ul style="list-style-type: none"> • 10 x 10 mm (0.394" x 0.394") • h=6.4 mm (0.252") • Large range of keycaps 	
	 <p>5G illuminated</p> <ul style="list-style-type: none"> • 10 x 10 mm (0.394" x 0.394") • h=8.5 mm (0.335") • Integrated chip-LEDs 	
ULTRAMEC	 <p>6C</p> <ul style="list-style-type: none"> • 8 x 8 mm (0.315" x 0.315") • h=2.5 mm (0.098") • Excellent for when space is limited 	<ul style="list-style-type: none"> • Low profile • J-bend • 0.5 - 50 mA/ 24 VDC • Single pole • Momentary • Normally open • 3,000,000 cycles lifetime • Temperature range: -40/+85 °C (-40/+185°F) • IP67 sealing • Actuation force: Before soldering: 4.2 +/- 1.0 N After soldering: 3.7 +/- 0.7 N • Travel: 0.3 +/- 0.15 mm (0.012" +/- 0.006") • Packed in tape & reel