High performance toggle switches • environmentally sealed



DISTINCTIVE FEATURES

Completely sealed switches withstanding 0.1 bar pressure Approved to European standards CECC 96000 Three types of terminals Many lever styles available



ENVIRONMENTAL SPECIFICATIONS

- Front sealing to IP67 or IP69K by a silicone membrane (for sealed panel mounting, add washer U60).
- Rear sealing to IP64 provided by moulded-in terminal inserts
- Operating temperature: -40 °C to +85°C (-40 °F to +185 °F)
- Moisture resistance : 56 days



ELECTRICAL SPECIFICATIONS

- Max. current/voltage rating with resistive load and electrical life at full load: see table below
- Initial contact resistance : 10 m Ω max. at 1 A 2 VDC
- Insulation resistance : 1,000 M Ω
- Dielectric strength: 2,500 Vrms 50 Hz min. between terminals 3,000 Vrms 50 Hz min. between terminals and frame

FUNCTIONS	GENERAL PERFORMANCES
ON-OFF and ON-ON	10,000 cycles, T20 °C 15 A 28 VDC resistive 15 A 28 VDC inductive 5 A 28 VDC lamp
ON OFF ON	10,000 cycles, T20 °C 15 A 28 VDC resistive 15 A 28 VDC inductive 5 A 28 VDC lamp
OTHER FUNCTIONS	10,000 cycles, T20 °C 15 A 28 VDC resistive 10 A 28 VDC inductive 3 A 28 VDC lamp

The company reserves the right to change specifications without notice.





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GENERAL SPECIFICATIONS

- Mechanical life: 40,000 cycles
- Torque: 2 Nm (1.47 Ft.lb) max. applied to nut
- Panel thickness :

For NON-SEALED mounting (panel cut-out fig. 1, 2 or 3): 5 mm (.196) max.

For SEALED mounting (panel cut-out fig. 2):

4 mm (.157) max.



MATERIALS

- Case: mineral filled polyester UL94-V0
- Bushing and cover : zamac
- Actuator : brass, nickel or chrome plated, or anodized aluminum
- Contacts : silver alloy

AGENCY APPROVAL

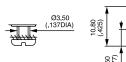


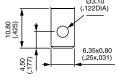
CECC 96201-004

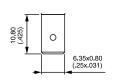
Availability: consult factory for details of approved models. Marking: to order switches marked CECC, complete appropriate box of ordering format.



TERMINALS

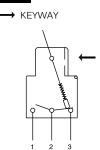






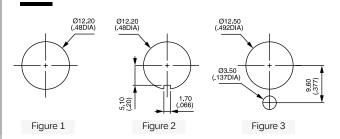


ELECTRICAL FUNCTIONS





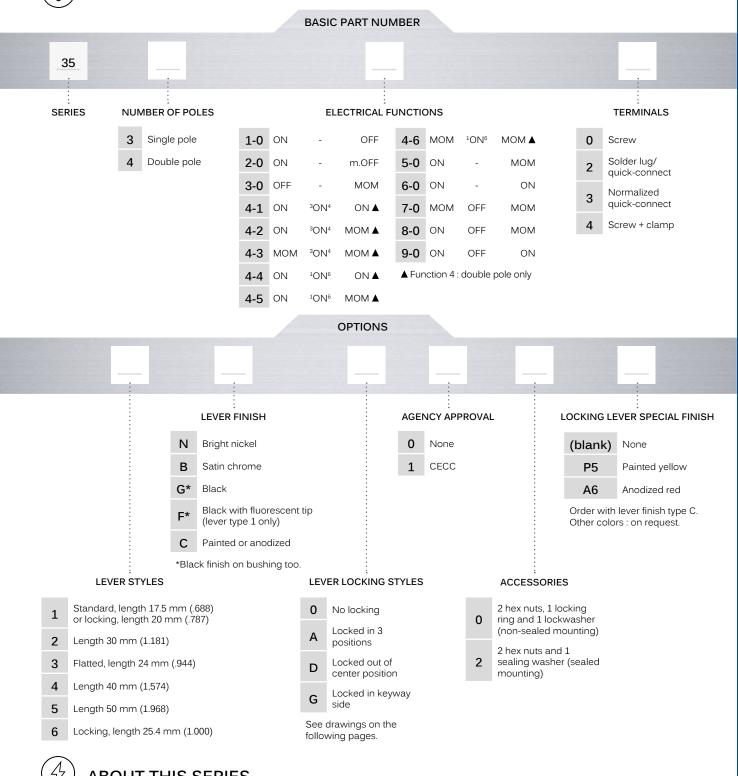
PANEL CUT-OUT



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BUILD YOUR PART NUMBER





ABOUT THIS SERIES

On the following pages, you will find successively basic part numbers of switches and options in the same order as in above chart.

- Notice: please note that not all combinations of above numbers are available. Refer to the following pages for further information.
- (\Diamond) Switch guards are available to prevent inadvertent lever operation. See "Switch Guards" section of website
- Mounting accessories: see above and on the following pages.

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SCREW TERMINALS SINGLE POLE



	Angle of throw (A)	III A2-A3	II	A1-A2
3531-00	22°	ON	-	OFF
3532-00	22°	ON	-	m.OFF
3533-00	22°	OFF	-	MOM
3535-00	22°	ON	-	MOM
3536-00	22°	ON	-	ON
3537-00	22°	MOM	OFF	MOM
3538-00	30°	ON	OFF	MOM
3539-00	30°	ON	OFF	ON

SCREW TERMINALS DOUBLE POLE



_	Angle of throw (A)	A2-A3 B5-B6	*A3-B5 **A1-B5	A1-A2 B5-B4
3541-00	22°	ON	-	OFF
3544-10	22°	ON	ON^*	ON
3544-20	22°	ON	ON^*	MOM
3544-30	22°	MOM	ON^*	MOM
3545-00	22°	ON	-	MOM
3546-00	22°	ON	-	ON
3547-00	22°	MOM	OFF	MOM
3548-00	30°	ON	OFF	MOM
3549-00	30°	ON	OFF	ON

SOLDER LUG/QUICK-CONNECT TERMINALS SINGLE POLE



Angle of throw (A)	III A2-A3	II	A1-A2
22°	ON	-	OFF
22°	ON	-	m.OFF
22°	OFF	-	MOM
22°	ON	-	MOM
22°	ON	-	ON
22°	MOM	OFF	MOM
30°	ON	OFF	MOM
30°	ON	OFF	ON
	throw (A) 22° 22° 22° 22° 22° 22° 30°	throw (A) A2-A3 22° ON 22° OFF 22° ON 22° ON 22° MOM 22° ON	throw (A)

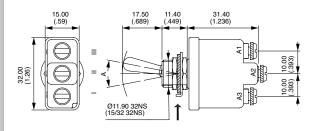
SOLDER LUG/QUICK-CONNECT TERMINALS DOUBLE POLE



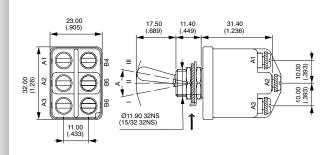
. !	E	Angle of throw (A)	III A2-A3 B5-B6	II *A3-B5 **A1-B5	A1-A2 B5-B4
	3541-02	22°	ON	-	OFF
	3544-12	22°	ON	ON^*	ON
	3544-22	22°	ON	ON*	MOM
ı	3544-32	22°	MOM	ON*	MOM
	3545-02	22°	ON	-	MOM
	3546-02	22°	ON	-	ON
	3547-02	22°	MOM	OFF	MOM
	3548-02	30°	ON	OFF	MOM
	3549-02	30°	ON	OFF	ON

\longrightarrow KEYWAY

Shown with standard lever

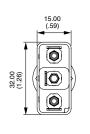


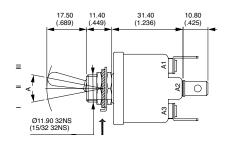
→ KEYWAY



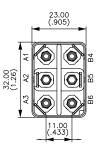
Also available in functions ON-m.OFF and OFF-MOM.

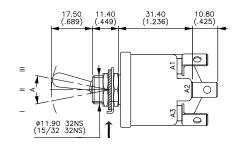
→ KEYWAY





→ KEYWAY





Also available in functions ON-m.OFF and OFF-MOM. *and** : A2-B4 and A2-B6 = jumper to be wired by the user.

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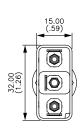
NORMALIZED QUICK-CONNECT TERMINALS SINGLE POLE

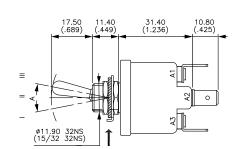


	Angle of throw (A)	III A2-A3	II	I A1-A2
3531-03	22°	ON	-	OFF
3532-03	22°	ON	-	m.OFF
3533-03	22°	OFF	-	MOM
3535-03	22°	ON	-	MOM
3536-03	22°	ON	-	ON
3537-03	22°	MOM	OFF	MOM
3538-03	30°	ON	OFF	MOM
3539-03	30°	ON	OFF	ON

→ KEYWAY

Shown with standard lever



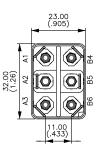


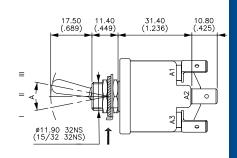
NORMALIZED QUICK-CONNECT TERMINALS



	Angle of throw (A)	III A2-A3 B5-B6	II *A3-B5 **A1-B5	I A1-A2 B5-B4
3541-03	22°	ON	-	OFF
3544-13	22°	ON	ON^*	ON
3544-23	22°	ON	ON^*	MOM
3544-33	22°	MOM	ON^*	MOM
3545-03	22°	ON	-	MOM
3546-03	22°	ON	-	ON
3547-03	22°	MOM	OFF	MOM
3548-03	30°	ON	OFF	MOM
3549-03	30°	ON	OFF	ON
	3541-03 3544-13 3544-23 3544-33 3545-03 3546-03 3547-03 3548-03	Angle of throw (A) 3541-03 22° 3544-13 22° 3544-23 22° 3544-33 22° 3545-03 22° 3546-03 22° 3547-03 22° 3548-03 30°	Angle of throw (A) 82-A3 85-B6 3541-03 22° ON 3544-13 22° ON 3544-23 22° ON 3544-33 22° MOM 3545-03 22° ON 3546-03 22° ON 3547-03 22° MOM 3548-03 30° ON	Angle of throw (A) 85-86 **A3-B5 85-86 0N - 3544-13 22° ON ON' 3544-23 22° ON ON' 3544-33 22° MOM ON' 3545-03 22° ON - 3546-03 22° ON - 3547-03 32° MOM OFF 3548-03 30° ON OFF



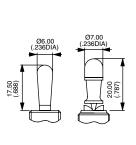




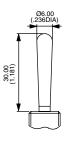
Also available in functions ON-m.OFF and OFF-MOM. *and**: A2-B4 and A2-B6 = jumper to be wired by the user.

LEVER STYLES

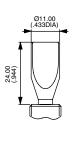
BASIC P/N

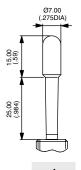


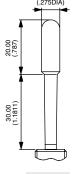
Standard



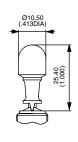
2





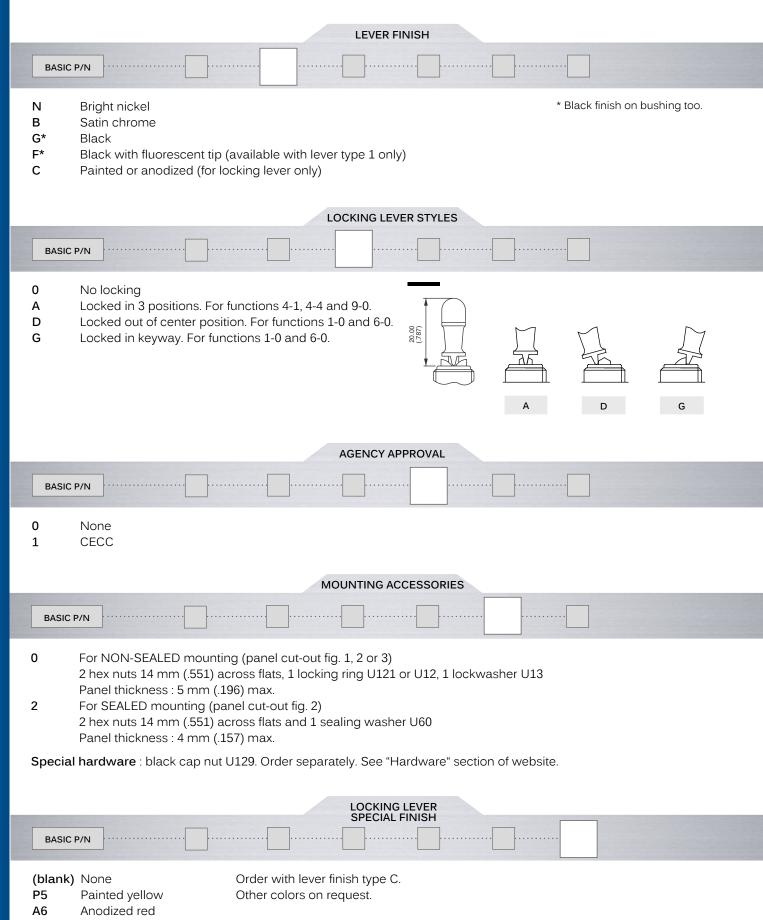


5



6

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Mouser Electronics

Authorized Distributor

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

Apem:

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3531001ND02 3531001N000 3531021N000 3536001N000 3536021N000 3537001N000 3537001N002
3537021N000 3538001N000 3538021N000 3539001N000 3539021N000 3541001N000 3541021N000
3546001N000 3547001N000 3547021N000 3548001N000 3549001N000 3531001G000 3531001GD00
3531001ND00 3531003N000 3531033G000 3533001N000 3533001N010 3533003N000 3533003N012
3535001N000 3536001ND00 3537001N012 3537003N000
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3541003N000 3541031N010 3544133G000 3544301N000
                                                3545001B010 3545001N000 3546001B010
                                                3547001B010 3547001N002 3547022G000
3546001G000 3546001ND10 3546026GD00 3546033G000
3547031N002 3548001N010 3549001B010 3549003N000 3546001G012 3544501N002 3546001CG02A6
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3536004G000 3549001GA12 3544603N002 3531001GD02 3531041ND00 3531003B012 3541031G012
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3531021ND02
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