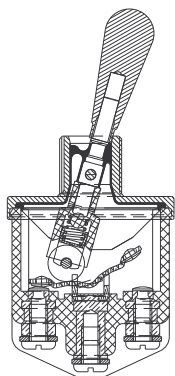


3500 series

High performance toggle switches - environmentally sealed

Distinctive features and specifications

UG1410A



☐ Completely sealed switches withstanding 0,1 bar pressure

- Frontal sealing to IP67 or IP69K by a silicone membrane (for sealed panel mounting, add washer U60, section I).
- Rear sealing to IP 64 provided by moulded-in terminal inserts

☐ Approved to European standards CECC 96000

☐ Three types of terminals

☐ Many lever styles available

ELECTRICAL SPECIFICATIONS

- Max. current/voltage rating with resistive load and electrical life at full load: see table below
- Initial contact resistance : 10 mΩ max. at 1A 2VDC
- Insulation resistance : 1.000 MΩ
- 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 et ON-ON	10.000 cycles, T20°C 15A 28VDC resistive 15A 28VDC inductive 5A 28VDC lamp
ON OFF ON	10.000 cycles, T20°C 15A 28VDC resistive 15A 28VDC inductive 5A 28VDC lamp
AUTRES FONCTIONS	10.000 cycles, T20°C 15A 28VDC resistive 10A 28VDC inductive 3A 28VDC lamp

MATERIALS

- Case : mineral filled polyester UL94-V0
- Bushing and cover : zamac
- Actuator : brass, nickel or chrome plated, or anodized aluminium
- 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.

GENERAL SPECIFICATIONS

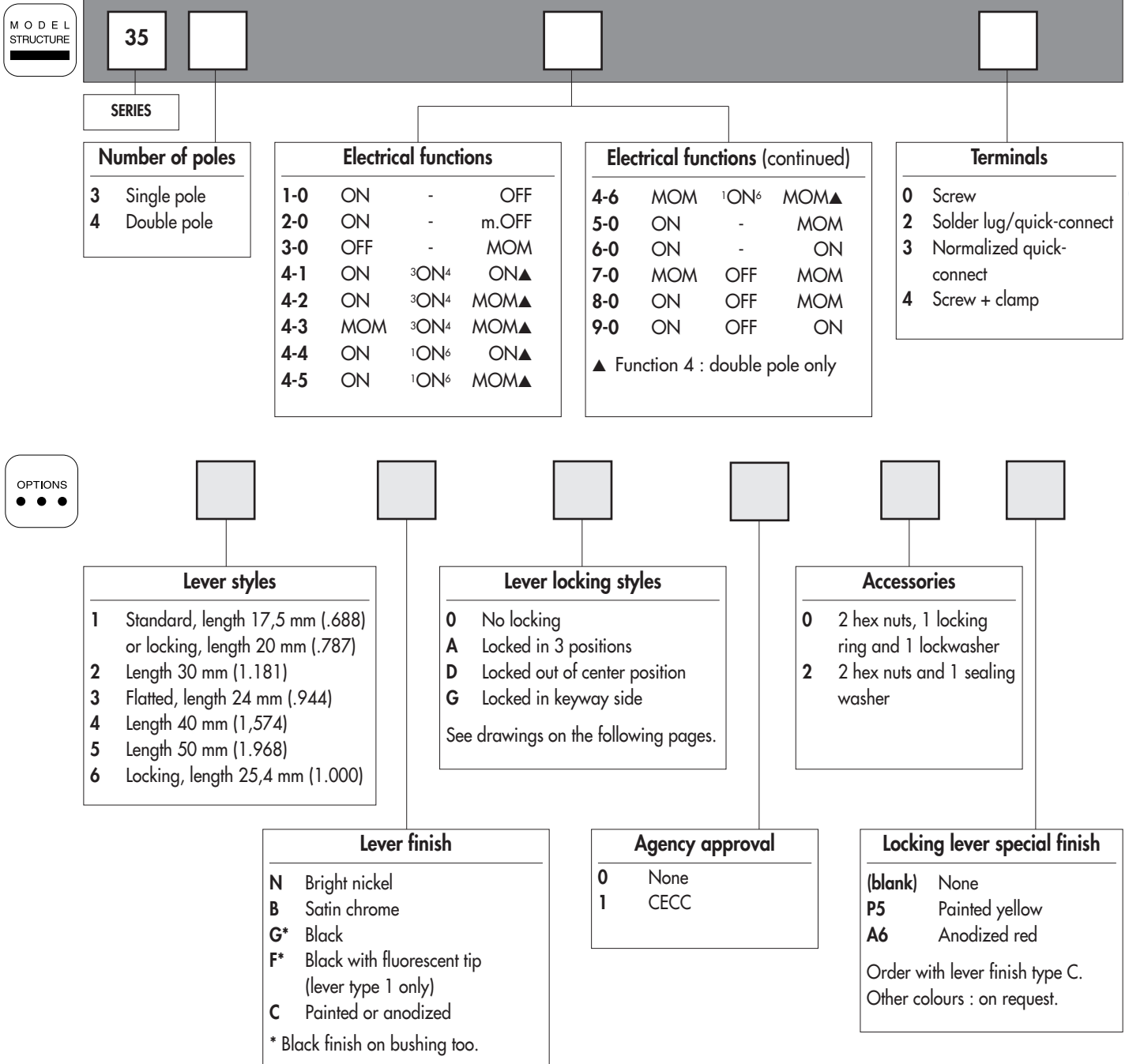
- Mechanical life : 40.000 cycles
- Torque : 2 Nm (1.47 Ft.lb) max. applied to nut
- Panel thickness : see "Mounting Accessories" on the following pages
- Operating temperature : -40°C to +85°C
- Moisture resistance : 56 days

The company reserves the right to change specifications without notice.

3500 series

High performance toggle switches - environmentally sealed

Overview



NOTICE : please note that not all combinations of above numbers are available. Refer to the following pages for further information.

ABOUT THIS SERIES

On the following pages, you will find successively :

- model structure of switches
- their options in the same order as in above chart

Dimensions : first dimensions are in mm while inches are shown as bracketed numbers.

Security caps are available to prevent inadvertent lever operation. They are presented in section I.



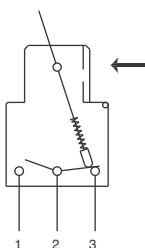
Packaging unit : 25 pieces

3500 series

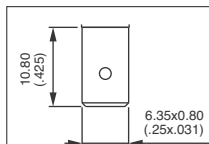
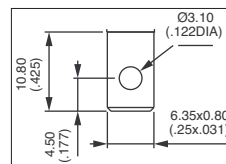
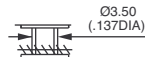
High performance toggle switches - environmentally sealed

MODEL
STRUCTURE

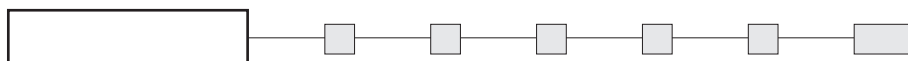
→ Keyway



- Screw, solder lug or quick-connect terminals
- Also available with threaded terminals : consult factory
- Screw terminals + clamp : on request.



MODEL
STRUCTURE



Shown with standard lever

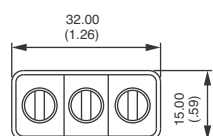


FUNCTIONS			BASIC PART NUMBER					
III	II	I	Screw terminals		Solder lugs and quick-connect term.		Normalized quick-connect terminals	
A2-A3	* A3-B5	A1-A2	Single pole	Double pole	Single pole	Double pole	Single pole	Double pole
B5-B6	** A1-B5	B5-B4						
ON	-	OFF	3531-00	3541-00	3531-02	3541-02	3531-03	3541-03
ON	-	m.OFF	3532-00	3542-00	3532-02	3542-02	3532-03	3542-03
OFF	-	MOM	3533-00	3543-00	3533-02	3543-02	3533-03	3543-03
ON	ON *	ON		3544-10		3544-12		3544-13
ON	ON *	MOM		3544-20		3544-22		3544-23
MOM	ON *	MOM		3544-30		3544-32		3544-33
ON	ON **	ON		3544-40		3544-42		3544-43
ON	ON **	MOM		3544-50		3544-52		3544-53
MOM	ON **	MOM		3544-60		3544-62		3544-63
ON	-	MOM	3535-00	3545-00	3535-02	3545-02	3535-03	3545-03
ON	-	ON	3536-00	3546-00	3536-02	3546-02	3536-03	3546-03
MOM	OFF	MOM	3537-00	3547-00	3537-02	3547-02	3537-03	3547-03
ON	OFF	MOM	3538-00	3548-00	3538-02	3548-02	3538-03	3548-03
ON	OFF	ON	3539-00	3549-00	3539-02	3549-02	3539-03	3549-03

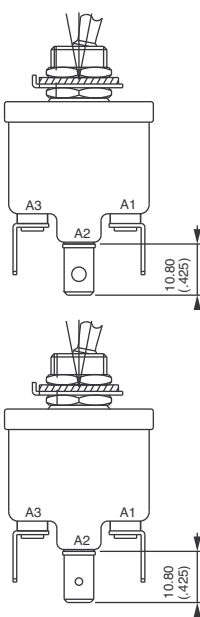
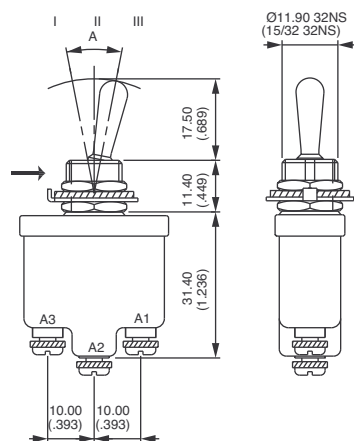
→ Keyway

* and **: A2-B4 and A2-B6 = jumper to be wired by the user.

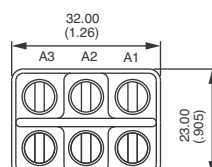
Single pole



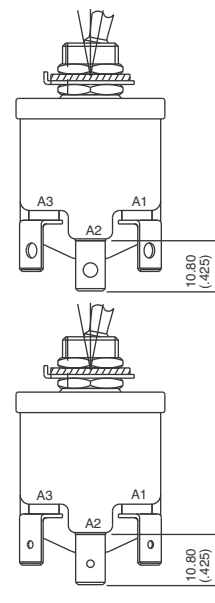
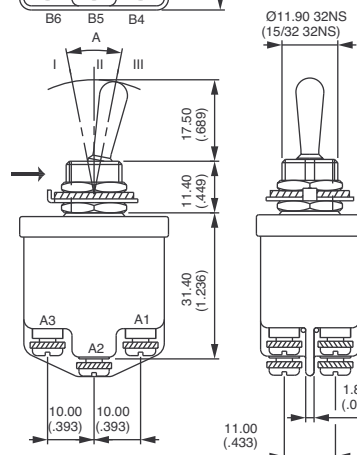
A → 2 POS. 22°
A → 3 POS. 30°



Double pole



A → 2 POS. 22°
A → 3 POS. 30°

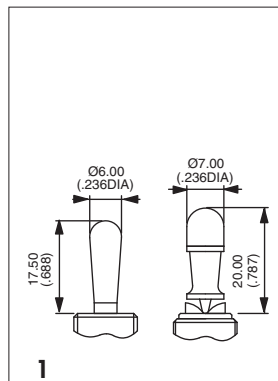
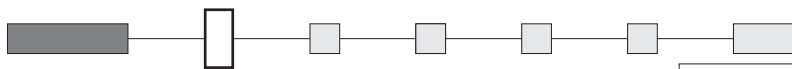




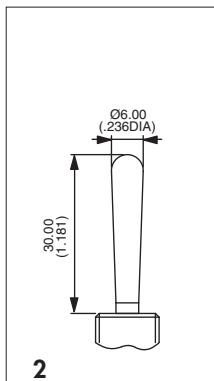
3500 series

High performance toggle switches - environmentally sealed

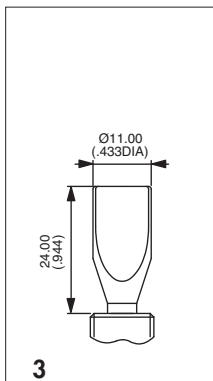
LEVER STYLES



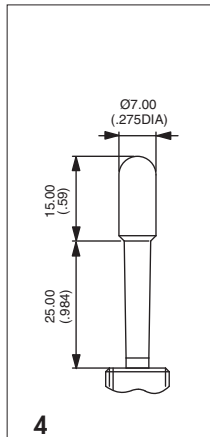
1
Standard



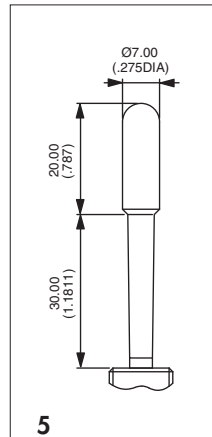
2



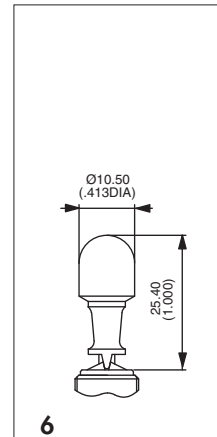
3



4

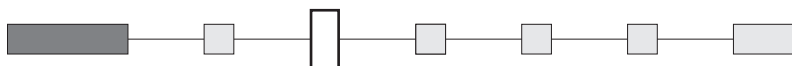


5



6

LEVER FINISH

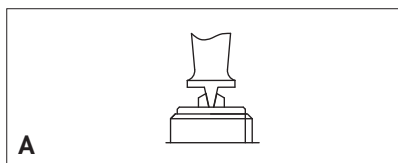
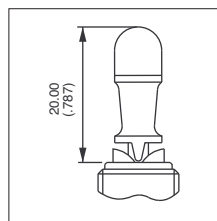


- N** Bright nickel
 - B** Satin chrome
 - G*** Black
 - F*** Black with fluorescent tip (available with lever type 1 only)
 - C** Painted or anodized (for locking lever only)
- * Black finish on bushing too.

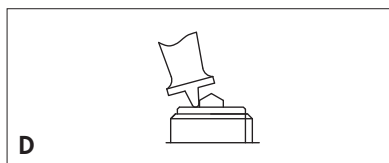
LOCKING LEVER STYLES



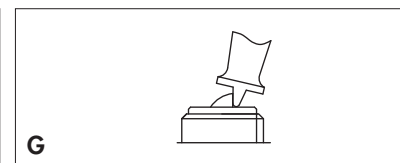
- 0** No locking



A
Locked in 3 positions.
For functions 4-1, 4-4 and 9-0.



D
Locked out of center position.
For functions 1-0 and 6-0.



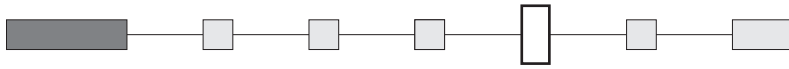
G
Locked in keyway.
For functions 1-0 and 6-0.

3500 series

High performance toggle switches - environmentally sealed

OPTIONS
● ● ●

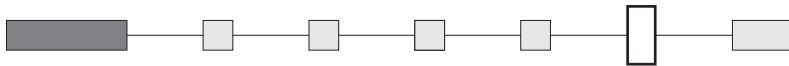
AGENCY APPROVAL



- 0 None
1 CECC

A

MOUNTING ACCESSORIES



- 0 For NON-SEALED mounting (panel cut-out fig. 1, 2 or 3)
2 hex nuts 14 mm (.551) across flats, 1 locking ring U121 or U12, 1 lockwasher U13
Panel thickness : 5 mm (.196) max.
- 2 For SEALED mounting (panel cut-out fig. 2)
2 hex nuts 14 mm (.551) across flats and 1 sealing washer U60
Panel thickness : 4 mm (.157) max.

Special hardware : black cap nut U129. Order separately. See section I.

PANEL CUT-OUT

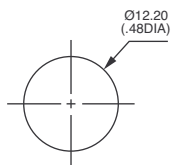


Figure 1

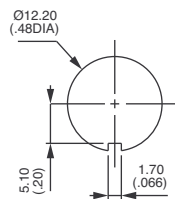


Figure 2

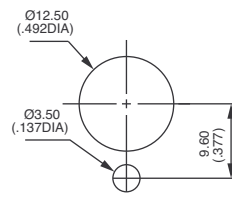
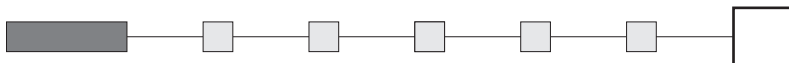


Figure 3

LOCKING LEVER SPECIAL FINISH



- (blank) None
P5 Painted yellow
A6 Anodized red

Order with lever finish type C.
Other colours on request.

Mouser Electronics

Authorized Distributor

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

[Apem:](#)

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	3539003N000	3539005N000	3541001N002
3541003N000	3541031N010	3544133G000	3544301N000	3545001B010	3545001N000	3546001B010
3546001G000	3546001ND10	3546026GD00	3546033G000	3547001B010	3547001N002	3547022G000
3547031N002	3548001N010	3549001B010	3549003N000	3546001G012	3544501N002	