

1500 & 1300 Hi Inrush Switches

150A to IEC65 and 16A 250Vac



1500 Series

16(4)A 250Vac T125, 20A 28V dc

UL CSA 16A 250Vac

UL CSA (2 position) 250Vac 1hp, 125Vac ½hp

UL CSA (3 position) 250Vac ½hp, 125Vac ¼hp

Inrush 36A to EN61058-1 & 20A 28Vdc (In house tests)

1300 Hi Inrush Series

⊙ 150A Inrush to IEC 65

16(6)A 250Vac T125 5E4 (50,000 Operations)

UL CSA 16A 250Vac

UL CSA 250Vac 1hp, 125Vac ½hp

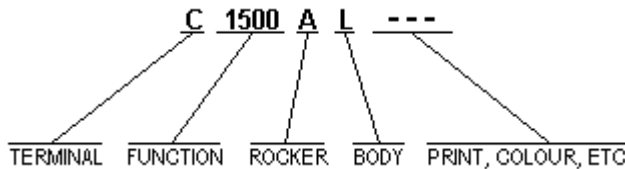
UL 85°C, file E45221

CSA file LR10990

20A 28Vdc (In house test)

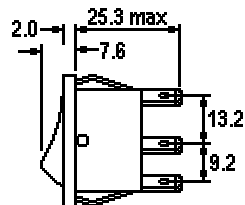
3mm contact gap except where marked μ.

Order Format



Product Options

Dimensions



Panel thickness

- A, Q 0.75 to 3.3mm
- L, B, T 0.75 to 2.5mm
- R 0.75 to 3.0mm

*For cutout details on momentary switches contact the factory

Examples



C1500AL ---
T1500AL ---



C1500AL ---
T1500AL ---



C1500XL ---
T1500XL ---



C1510AL ---
T1510AL ---

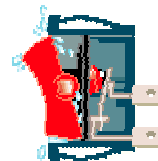


Moisture resistant covers & switches

Moisture resistant switches

Certain switches can be assembled with an internal barrier for improved resistance against the ingress of water or dust.

Applications should be discussed with the factory.



Moisture resistant covers (IP65)

Snap on to A, L, Q and T bodies.
 Add G after body code in catalogue number.
 (not suitable for momentary types.)
 A panel sealing washer W46 is available.
 Fitting these items reduces panel thickness range.



C1520AL ---
 T1520AL ---



C0430AL ---
 T0430AL ---

Printing Examples



EN602A



EN1091



EN695



EN722



EN727



EN3056

Technical Information

Most major technical information is shown on the page covering the specific product, other details are grouped here for easy reference.

The details shown apply to all Switches and Fuseholders. For electrical products, Indicators or IEC sockets see the individual product page.

Materials

Body and actuator (opaque)
 Actuator (transparent)
 Current carrying parts
 Contact points

Most Products

Nylon 6.6
 Polycarbonate
 Copper Alloy
 Silver Plated
 Silver Alloy

Expections

0916 & 0911 Vandal options are stainless steel
 n/a for 0055 & 2000, Gold plated for 1100

Properties - Electrical

Class II compliant
 Electrical Life (operations)
 Contact Resistance (switches) new condition (m ohms)
 Contact Resistance (fuseholders) new condition (m ohms)
 Insulation Resistance (M ohms)
 Dielectric Strength: (kV)
 across open contacts
 between poles
 between live parts and accessible metal
 Comparative Tracking Index (CTI)

Confirmed
 >10k, many >50k
 <100 (at 12Vdc, 1A)
 5 (average)
 >20
 >1
 >3
 >4
 >250

IEC Sockets
 See relevant page for details
 1100, 2000 contact factory

Properties - Physical

Humidity Resistance at 91-95% relative humidity (to subsequently comply with requirements of dielectric strength test)(hrs) 48
 Impact Resistance (Nm) >0.5

Storage term 5 year period (°C)	<125	Some discoloration of terminals may occur
Flame Retardancy:		
Standard	UL94V2	Polycarbonate actuators - UL94V2 only
On Request	UL94V0	Not all colors or variants
Solderability to BS 2011 pt.2.1T -	6 secs at 350°C	
Angular movement ± 4° overall (where applicable)	38°	1250, 6000, 8500, 8550, 8600, 8650, 8800 - 26°
Force to operate (Kg). For details contact Sales office	0.2 - 2.0	
Fixing nut torque (where applicable)	1.0Nm (8.91 lb/in)	

General Information

All switches

Heat and Fire resistance Category D.
Ingress Protection without cover IP40.
DC ratings are not approved.

All products

Panel holes must be punched in direction unit is to be fitted

Lit rockers and indicators

Transparent lenses on indicator lights and lit switches are moulded in polycarbonate, a material which is attacked by organic chemicals and animal or vegetable fats. Please contact the factory for advice on these products.

Weights of our most frequently supplied products

Product	gms	Product	gms	Product	gms
0055,0056	5.7/6.8	1350	11.2	5567	14.3
0305	32.9	1500	5.7	6050	13.58
0333	3.4	1520	6.6	6053	14.15
0345	8.9	1550	11.2	7000	10.4
0380 sw only	7.12	1553	11.8	7050	12.3
0383K/P	25.0	1570	12.7	7053	12.9
0430	5.5	1584-1589	11.1	8250	4.9
0589	3.5	1700H	8.4	8300	4.0
0711-1S	16.6	1750H	13.2	8350	5.0
0712-S	27.8	17500	25.6	8353	5.9
0900S/L	2.6/2.9	2000 2pos C SP	3.8	8500	3.8
1048	2.8	2000 2pos C DP	4.5	8550	4.8
0171-1S	22.4	2000 5pos A SP	6.3	8553	5.2
1091FH	11.4	2000 5pos A DP	7.3	8600	3.5
1091FL	53.6	T2225B	5.0	8620	4.3
1100	2.0	2950	5.3	8650	6.3
1250SP	5.9	3111	11.8	8670	8.5
1250DP	7.0	5500	7.1	8800	2.9
1300	5.7	5503	7.8	9100	21.1

TERMINAL CODE	SWITCH FUNCTION CODE			ROCKER CODE	BODY CODE
C 6.3 x 0.8 9.1 H 4.8 x 0.8 9.1 K 2.0 9.1 1.2 2.8 x 0.8 T 2.1 7.0 Solder U 2.1 3.2 Solder X 4.0 9.1 PCB 0.85sq	<i>Approvals & ratings vary with function</i> <i>On Off Switches are ON when pressed over terminal 1</i>			A Softline Matt only G Paddle lever H Slotted for custom adaptors not momentary N Slimline sub-panel rocker Matt only not momentary V Curved Matt or Gloss X 2 Color rocker Matt only not momentary A Softline lens Matt only Indicator only 	Panel cut-outs Flanges A 12.2/12.3 27.2/27.3 14.0 30.2 Gloss or Matt B 11.0/11.1 30.0/30.1 14.0 33.4 R3.5 Matt only L 11.0/11.1 30.0/30.1 14.0 32.0 R1.0 Matt only Q 11.5/11.6 28.2/28.3 14.0 30.2 R1.6 Gloss or Matt R 14.0/14.1 28.5/28.6 17.0 31.5 Matt only T 11.5/11.6 28.2/28.3 14.0 30.2 R1.6 Matt only
	Standard 1500 ◆	High Inrush 1300 ◆	ON - OFF 		
	1501 HP rating n/a		ON - OFF (momentary ON) 		
	1502 HP rating n/a		ON - OFF (momentary OFF) 		
	1510 μ		ON - ON 		
	1511 μ HP rating n/a		ON - ON (momentary 1 side) 		
	1520 ◆ μ 250V 1/2hp 125V 1/4hp H terminal is rated T100 only		ON - OFF - ON 		
	1521 μ HP rating n/a H terminal is rated T100 only		ON - OFF - ON (momentary 1 side) 		
	1522 μ HP rating n/a H terminal is rated T100 only		ON - OFF - ON (momentary 2 sides) 		
	0430 X terminal n/a		Indicator 		