

## 1500 & 1300 Hi Inrush Switches

150A to IEC65 and 16A 250Vac



### Ratings Information

#### 1500 Series

**16(4)A 250Vac T125**

**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 Series

**150A Inrush to IEC 65**

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

**UL CSA 20A 250Vac 1hp, 125Vac ½hp**

**UL 85°C, file E45221**

**CSA file LR10990**

**20A 28Vdc (In house test)**

3mm contact gap except where marked μ.

### Examples



C1500AR  
T1500AR

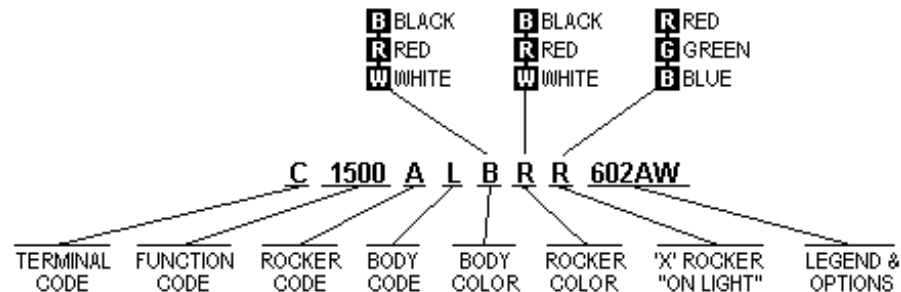


C1500AL  
T1500AL

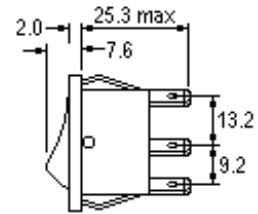


C1500XL  
T1500XL

### Order Format



## Dimensions



Terminal spacing  
Poles 10.2 between centers

### Panel Thickness

<b>A, Q</b>	0.75 to 3.3mm
<b>L, B, T</b>	0.75 to 2.5mm
<b>R</b>	0.75 to 3.0mm

\*For cutout details on momentary switches contact the factory.



C1510AL  
T1510AL



C1520AL  
T1520AL

## Legend Printing Examples ( ) is legend color B-Black, W-White, R-Red



602A(W)



1091(W)



822(W)



722(W)



727(W)



730(W)



C0430AL  
T0430AL

TERMINAL CODE	SWITCH FUNCTION CODE			ROCKER CODE	BODY CODE	OPTIONS
C	Approvals & ratings vary with function On Off Switches are On when pressed over terminal 1			A Softline Matt only	Panel cut-outs * Flanges	<b>Finish</b> Matt finish is standard. For gloss consult factory and specify gloss when ordering.  <b>Color</b> Consult factory for custom colors. A full range is available for large orders.  <b>Legend printing</b> Select from the examples or call factory for custom legends.  <b>Lamp voltage</b> Consult factory for details.  <b>Moisture resistant covers (IP65)</b> Will snap on to A, L, Q or T bodies (add G74 as a suffix) but reduce panel thickness by 1.0mm.
	Standard	High Inrush 1300	ON - OFF	G Paddle lever	A 27.2 27.3 12.2/12.3 Gloss or Matt	
H	1501 HP rating n/a		ON - OFF (momentary ON)	H Slotted for custom adaptors not momentary	B 30.0 30.1 11.0/11.1 Matt only	
K	1502 HP rating n/a		ON - OFF (momentary OFF)	N Slimline	L 30.0 30.1 11.0/11.1 Matt only	
T	1510 $\mu$		ON - ON	V Curved Matt or Gloss	Q 28.2 28.3 11.5/11.6 Gloss or Matt	
	1511 $\mu$ HP rating n/a		ON - ON (momentary 1 side)	X 2 Color rocker Matt only not momentary	R 28.5 28.6 14.0/14.1 Matt only	
U	1520 $\mu$ 250V 1/2hp 125V 1/4hp H terminal is rated T100 only		ON - OFF - ON	A Softline lens Indicator only Matt only	T 28.2 28.3 11.5/11.6 Matt only	
	1521 $\mu$ HP rating n/a H terminal is rated T100 only		ON - OFF - ON (momentary 1 side)			
X	1522 $\mu$ HP rating n/a H terminal is rated T100 only		ON - OFF - ON (momentary 2 sides)			
	0430 X terminal n/a		Indicator			



Panel sealing washer 0046 is available for the same body sizes but will reduce panel thickness by a further 0.8mm.

**Note**  
Covers are not suitable for momentary switches.

## 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 Expections

Nylon 6.6

900 & 380 Vandal options are stainless steel

Polycarbonate

Copper Alloy

Silver Plated

Silver Alloy

n/a for 55/56 & 2000, Gold plated for 1100

### Properties - Electrical

Electrical Life (operations)

> 10k, many > 50k See relevant page for details

Contact Resistance (switches) new condition  
(m ohms)

< 100 (at 12Vdc, 1A) 1100, 2000 contact factory

Contact Resistance (fuseholders) new condition  
(m ohms)

5 (average)

Insulation Resistance (M ohms)

> 20

Dielectric Strength: (kV)

across open contacts

> 1

between poles

> 3

between live parts and accessible metal

> 4

Comparative Tracking Index (CTI)

> 250

### 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

Insulation Class II.  
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

### Illuminated rockers and indicator lights

Transparent lenses on indicator lights and illuminated 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	13.6
0333	4.5	1520	6.6	6053	14.2
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
0392	10.7	1584-1589	11.1	8250	4.9
0430	5.5	1700H	8.4	8300	4.0
0589	3.5	1750H	13.2	8350	5.0
0692	51.8	17500	25.6	8353	5.9
0711-1S	16.6	2000 2pos C SP	3.8	8500	3.8
0712-S	27.8	2000 2pos C DP	4.5	8550	4.8
0717-1S	22.4	2000 5pos A SP	6.3	8553	5.2
0900S/L	2.6/2.9	2000 5pos A DP	7.3	8600	3.5
1048	2.8	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