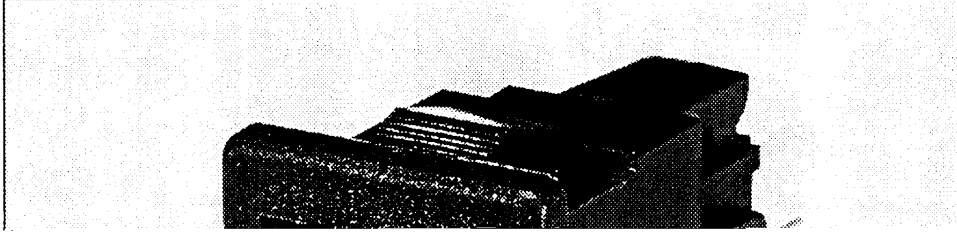


4
M33878-7 921

Push Button Switches



Technical Information

| CATALOGUE NUMBER | ▷ 0055,0056 | 1100 | 1300,1350 & 1353 | 1584 -1589 | 1500,1550 & 1700 |
|--|-------------------------------|-----------------------------|-------------------------------|-------------------------------|-------------------------------|
| MATERIALS | | | | | |
| Body and actuator (opaque) | Nylon 6.6 | Nylon 6.6 | Nylon 6.6 | Nylon 6.6 | Nylon 6.6 |
| Actuator (transparent) | - | - | Polycarbonate | Polycarbonate | - |
| Current carrying parts | Copper Alloy Silver Plated | Copper Alloy Gold Plated | Copper Alloy Silver Plated | Copper Alloy Silver Plated | Copper Alloy Silver Plated |
| Contact points | - | - | Silver Alloy | Silver Alloy | Silver Alloy |
| PROPERTIES | | | | | |
| Electrical | | | | | |
| Electrical Life (Operations) | >50K | >50K | >50K ^s | >10K | >10K |
| Contact Resistance in new condition (mΩ) | <10 | - | <10 | <10 | <10 |
| Insulation Resistance (MΩ) | >20 | >20 | >20 | >20 | >20 |
| Dielectric Strength: (kV) | | | | | |
| across open contacts | >1 | >1 | >1 | >1 | >1 |
| between poles | >3 | - | >3 | >3 | >3 |
| between live parts and accessible metal | >4 | >4 | >4 | >4 | >4 |
| Tracking Resistance | KB250 | KB250 | KB250 | KB250 | KB250 |
| PROPERTIES | | | | | |
| Physical | | | | | |
| Humidity Resistance at 91-95% relative humidity (hrs) | 48 | 48 | 48 | 48 | 48 |
| Impact Resistance (Nm) | >0.5 | >0.5 | >0.5 | >0.5 | >0.5 |
| Shock Resistance 3 shocks in each of 3 perpendicular axis (g) | >50 | - | >50 | >50 | >50 |
| Vibration Resistance .075mm displacement 10-500Hz(hrs) | >2 | - | >2 | >2 | >2 |
| Storage term 5 year period (°C) | <125 | <125 | <125 | <125 | <125 |
| Flame Retardancy: | | | | | |
| Standard | UL94V2 | UL94V2 | UL94V2 P | UL94V2 | UL94V2 |
| On Request | UL94V0/V1 | UL94V0/V1 | UL94V0/V1 | UL94V0/V1 | UL94V0/V1 |
| Solderability to BS 2011 pt.2.1T - | 6 secs at 350°C | 6 secs at 350°C | 6 secs at 350°C | 6 secs at 350°C | 6 secs at 350°C |
| Angular movement ± 2° overall | - | - | 38° | 38° | 38° |
| Force to operate (Kg). For details contact our Sales desk | 0.28 | 0.5 | 0.2 - 2.0 | 0.2 - 2.0 | 0.2 - 2.0 |
| Weight: | | | | | |
| Single Pole (g) | 6.2 | 2.2 | 8 | - | 6 |
| Double Pole (g) | - | - | 12 | 11 | 12 |
| Mechanical Life (Operations) | >50K | >50K | >50K f | >50K | >50K |

GENERAL INFORMATION

All switches

Insulation Class II.
Heat and Fire resistance Category D.
Ingress Protection without cover IP40.

Spring return rocker switches

Are not suitable for safety sensitive applications

Flame retardancy

p Polycarbonate rockers - V2 only.

Life and Temperature ratings

f Illuminated types 10K ops.

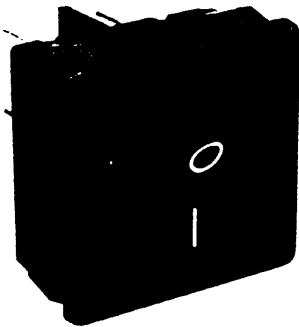
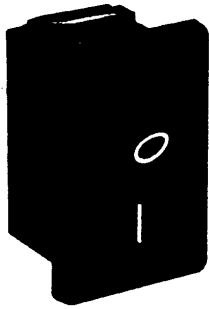
t 1553 is T85°C

s 1350 & 1353 are 10k

14

| 1501-1502 1551-1553 | 1510-1525 1560-1572 | 2000 | 5500 | 5550 | 7000 | 8500/8550 1250 & 8800 | 8600/8650 |
|---|---|--|---|---|---|---|---|
| Nylon 6.6 Polycarbonate Copper Alloy Silver Plated Silver Alloy | Nylon 6.6 - Copper Alloy Silver Plated Silver Alloy | Nylon 6.6 - Copper Alloy Silver Plated - | Nylon 6.6 Polycarbonate Copper Alloy Silver Plated Silver Alloy | Nylon 6.6 Polycarbonate Copper Alloy Silver Plated Silver Alloy | Nylon 6.6 Polycarbonate Copper Alloy Silver Plated Silver | Nylon 6.6 Polycarbonate Copper Alloy Silver Plated Silver Alloy | Nylon 6.6 Polycarbonate Copper Alloy Silver Plated Silver |
| >10K <10 >20 | >10K <10 >20 | >10K <10 >20 | >10K <10 >20 | >10K <10 >20 | 10K <10 >20 | 10K <10 >20 | 10K <10 >20 |
| >1 >3 >4 KB250 | >1 >3 >4 KB250 | >1 >3 >4 KB250 | >1 >3 >4 KB250 | >1 >3 >4 KB250 | >1 >3 >4 KB175 | >1 >3 >4 KB250 | >1 >3 >4 KB250 |
| 48 >0.5 >50 >2 <125 | 48 >0.5 >50 >2 <125 | 48 >0.5 >50 >2 <125 | 48 >0.5 >50 >2 <125 | 48 >0.5 >50 >2 <125 | 48 >0.5 >50 >2 <125 | 48 >0.5 >50 >2 <125 | 48 >0.5 >50 >2 <125 |
| UL94V2 P UL94V0/V1 6 secs at 350°C 38° 0.2 - 2.0 | UL94V2 UL94V0/V1 6 secs at 350°C 35° 0.2 - 2.0 | UL94V2 UL94V0/V1 6 secs at 350°C - 0.2 - 2.0 | UL94V2 P UL94V0/V1 6 secs at 350°C 35° 0.2 - 2.0 | UL94V2 P UL94V0/V1 6 secs at 350°C 35° 0.2 - 2.0 | UL94V2 P UL94V0/V1 6 secs at 350°C - 0.2 - 2.0 | UL94V2 P UL94V0/V1 6 secs at 350°C 26° 0.2 - 2.0 | UL94V2 P UL94V0/V1 6 secs at 350°C 27° 0.2 - 2.0 |
| 8 12 >50K f | 8 12 >50K | 2 pos A body 3.9 5 pos A body 7.7 >50K | 8 - >50K | - 12 >50K | 25 25 >50K | <4 <5.0 >50K | 4.0 6.0 >50K |

Rocker Switches-Miniature 10A 250Vac Single & Double Pole



To create a 7 digit catalogue number:

Refer to the 4 columns below, shaded in grey, starting with "Terminal Code"

Examples of products with their 10 digit numbers are illustrated opposite.

For other versions state the first 7 digits, then describe in words:

Rocker colour, Body colour, Rocker printing.

Voltage (for illuminated units, 100/125V marked 110V, or 200/250V marked 250V).

Indicators are available with red, amber, green or clear lenses.

All switches have 3mm contact gap.

All switches suitable for class II appliances.

◆ = Automatically assembled.

Additional technical data for this product range will be found on pages 2 and 3.



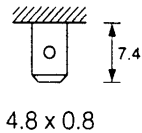
10(4)A 250Vac T90
 Inrush 25A to EN61058-1
 10A 28Vdc
 UL CSA 10A 250Vac
 UL CSA 250Vac ½hp, 125Vac ¼hp
 UL file no. E45221

▶ TERMINAL CODE

SWITCH FUNCTION CODE

▶ ROCKER CODE

H



Approvals & ratings vary with function



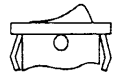
Single Pole



Double Pole

V

Curved



ON/OFF

8600 ◆

8650 ◆



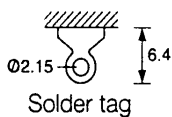
ON/OFF
moment on

8601
6(1)A only

8651
6(1)A only



T



ON/OFF
moment off

8602
6(1)A only

8652
6(1)A only



ON/OFF
illuminated

8653 ◆
6(1)A only



Curved Illuminated



2 position
change-over

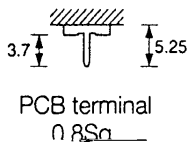
8610 ◆
6(1)A only

8660 ◆
6(1)A only



LENS CODE

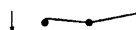
X



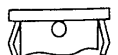
2 position
change-over
momentary

8611
6(1)A only

8661
6(1)A only

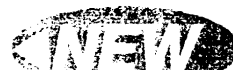


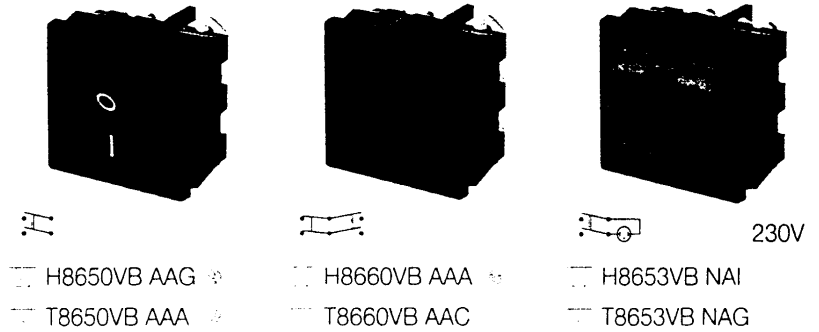
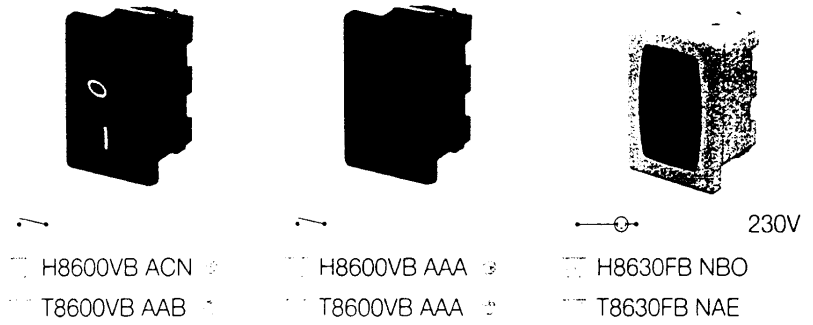
F
Flat (Single pole size only)



3 position
change-over
centre off

8620





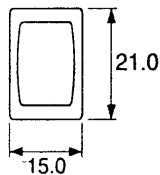
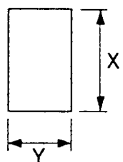
Stock product. See pages 46 & 47.

BODY CODE

Panel cut-outs

Flange

B (Single Pole)

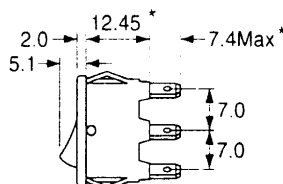


Single Pole dimensions for snap-in fixing

| Panel thickness | Dim. X | Dim. Y |
|-----------------|-----------|-----------|
| 0.75-1.25 | 19.1/19.2 | 12.9/13.0 |
| 1.25-2.0 | 19.3/19.4 | 12.9/13.0 |
| 2.0-3.0 | 19.7/19.8 | 12.9/13.0 |

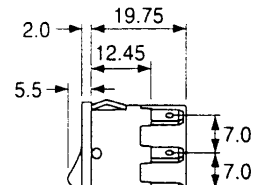
DIMENSIONS

Single pole



* For 8620 overall depth from bezel 23.5

Double pole

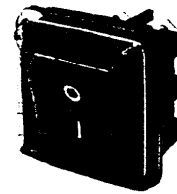


Terminal spacing-
Poles 10.2 btwn ctrs.

Protective covers for single & double pole
(not for momentary types)

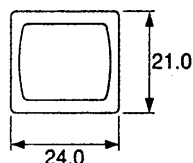
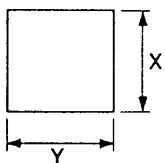


F0167LO



F0180LO

B (Double Pole)



Double Pole dimensions for snap-in fixing

| Panel thickness | Dim. X | Dim. Y |
|-----------------|-----------|-----------|
| 0.75-1.25 | 19.1/19.2 | 21.9/22.0 |
| 1.25-2.0 | 19.3/19.4 | 21.9/22.0 |
| 2.0-3.0 | 19.7/19.8 | 21.9/22.0 |

For snap-in fixing, panel holes must be punched in the same direction as the unit is to be fitted

An extensive range of legends are available.
Some examples are illustrated here.



CL076



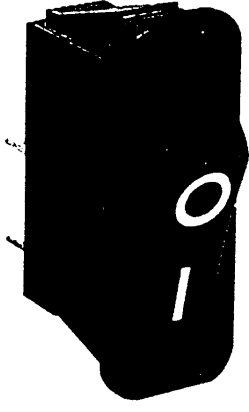
CL080



CL090A



Rocker Switches-Single Pole 16A 250Vac



To create a 7 digit catalogue number:

Refer to the 4 columns below, shaded in grey, starting with "Terminal Code".

Examples of products with their 10 digit numbers are illustrated opposite.

For other versions state the first 7 digits, then describe in words:

Rocker colour, Body colour, Matt or gloss finish, Rocker printing,

Voltage (for illuminated units, 100/125V marked 110V, or 200/250V marked 230V)

Indicators are available with red, amber, green or clear lenses.

For high in-rush versions (1300 Series) see pages 20 and 21.

Switches have 3mm contact gap except where marked μ .

All switches suitable for class II appliances.

◆ = Automatically assembled.

Additional technical data for this product range will be found on pages 2 and 3



16(4)A 250Vac T85 [10(3)A 250Vac T125 on application]

20A 28Vdc

UL CSA 16A 250Vac

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

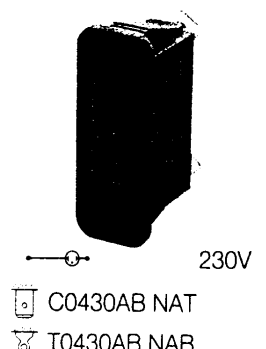
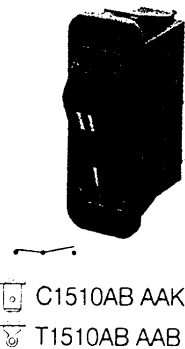
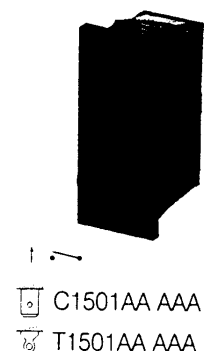
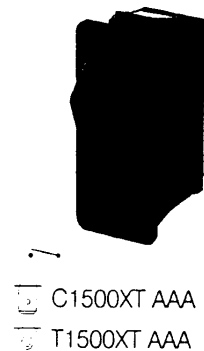
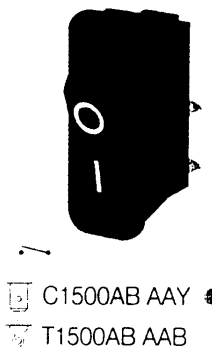
UL CSA (3 position) 250Vac ½hp, 125Vac ¼hp

UL file no. E45221

▷ **TERMINAL CODE** ▷

SWITCH FUNCTION CODE ▷

▷ **ROCKER CODE**



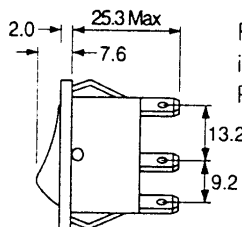
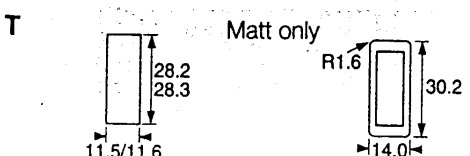
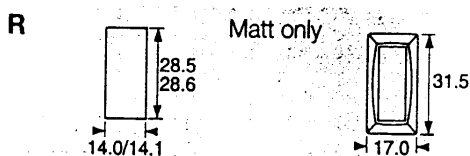
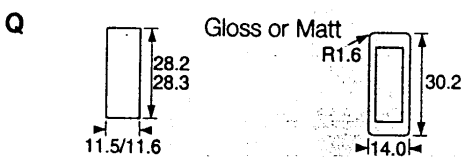
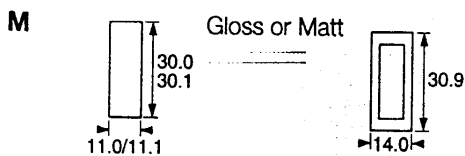
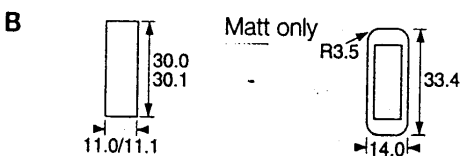
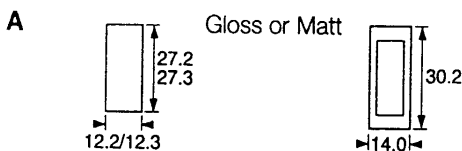
Stock product. See pages 46 & 47.

BODY CODE

DIMENSIONS

Panel cut-outs

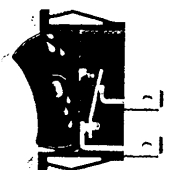
Flanges



For snap-in fixing, panel holes must be punched in the same direction as the unit is to be fitted. Panel thickness between 0.75 and 2.5mm.

Moisture resistant switches

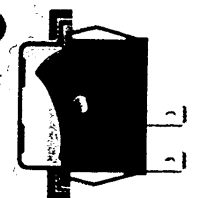
Certain switches can be assembled with an internal barrier for improved resistance against the ingress of water or dust. Applications should be discussed with Arcoelectric.



Moisture resistant covers (IP65)

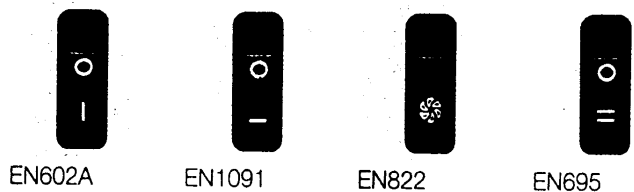
Snap on to A, Q, T and M bodies. Add G after body code in catalogue number. (not suitable for momentary types.) Fitting these items reduces panel thickness range.

NEW

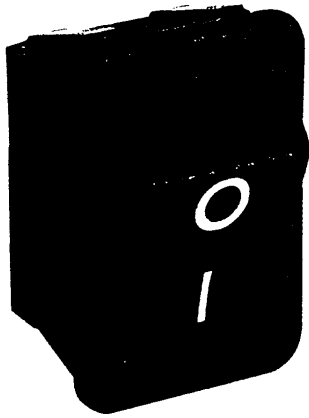


An extensive range of legends are available.

Some examples are illustrated here.



Rocker Switches-Double Pole 16A 250Vac



To create a 7 digit catalogue number:

Refer to the 4 columns below, shaded in grey, starting with "Terminal Code".

Examples of products with their 10 digit numbers are illustrated opposite.

For other versions state the first 7 digits, then describe in words:

Rocker colour, Body colour, Matt or gloss finish, Rocker printing,

Voltage (for illuminated units, 100/125V marked 110V, or 200/250V marked 230V).

Illuminated switches & indicators available with red, amber, green or clear lenses/rockers.

For High in-rush versions (1300 Series) see pages 20 and 21.

Switches have 3mm contact gap except where marked μ .

All switches suitable for class II appliances.

Most switches shown can be supplied with single pole switching in double pole body.

◆ = Automatically assembled.

Additional technical data for this product range will be found on pages 2 and 3.



16(4)A 250Vac T85 [10(3)A 250Vac T125 on application]

20A 28V dc

UL CSA 16A 250Vac

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

UL CSA (3 position) 250Vac 1/2hp, 125Vac 1/4hp

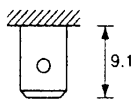
UL file no. E45221

▶ TERMINAL CODE

SWITCH FUNCTION CODE

▶ ROCKER CODE

C



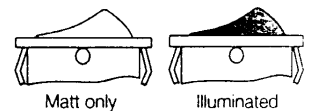
6.3 x 0.8

1550 ◆

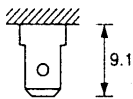
Approvals and Ratings vary with function



A Softline



H



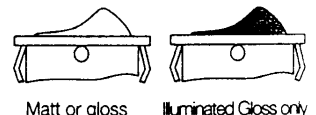
4.8 x 0.8

1551
HP Rating N/A

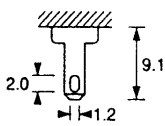
ON/OFF
moment on



V Curved



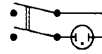
K



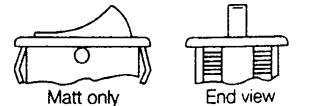
2.8 x 0.8

1553 ◆

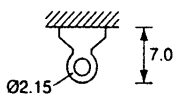
ON/OFF
with light



N Slimline sub-panel rocker
(not for momentary)



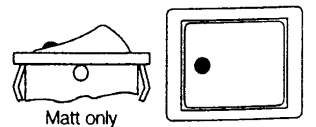
T



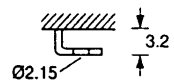
Solder tag

1561 μ
HP Rating N/A

2 position
change-over
momentary



U



Solder tag

13.5A ONLY
1571 μ
HP Rating N/A

3 position
change-over
centre off (momen 1 side)



X Softline 2 Colour Rocker
(not for momentary)

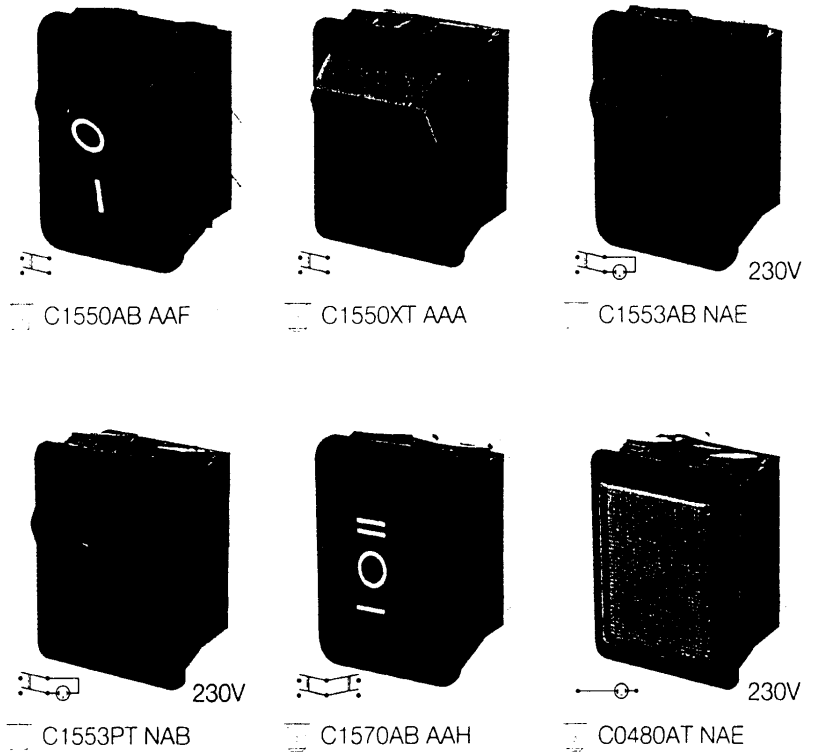


13.5A ONLY
1572 μ

3 position
change-over

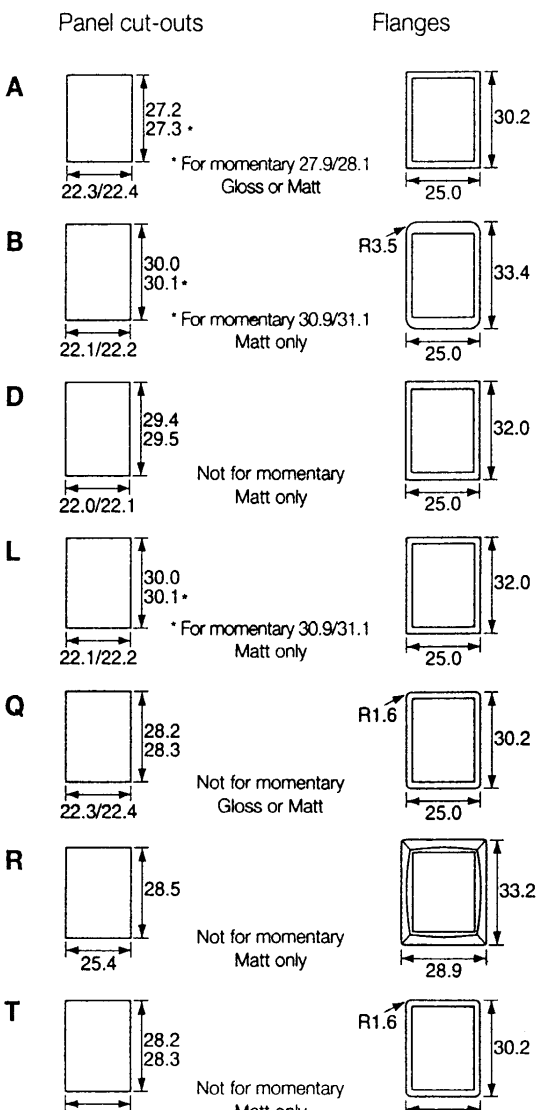


FNS CODE

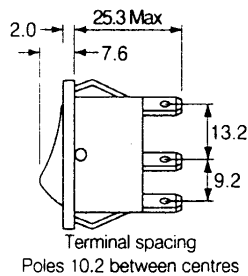


Stock product. See pages 46 & 47.

BODY CODE



DIMENSIONS



For snap-in fixing, panel holes must be punched in the same direction as the unit is to be fitted.

Panel thickness between:

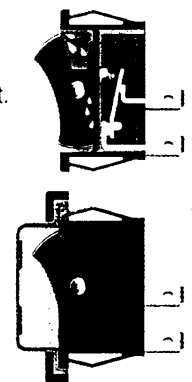
- A, Q** 0.75 and 3.3mm.
- L, B, T** 0.75 and 2.5mm.
- D** 0.75 and 1.2mm.
- R** 0.75 and 3.0mm.

Moisture resistant switches

Certain switches can be assembled with an internal barrier for improved resistance to the ingress of water or dust. Applications should be discussed with Arcoelectric.

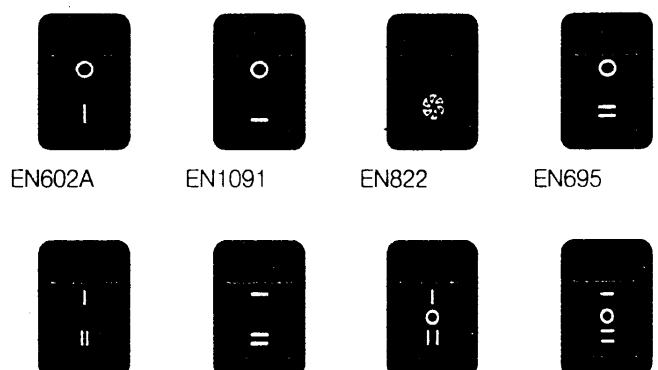
Moisture resistant covers (IP65)

Snap-on to A, L, Q or T bodies. Add G after body code in catalogue number. A panel sealing washer W42 is available. Covers/washers reduce panel thickness range. (not suitable for momentary types.)

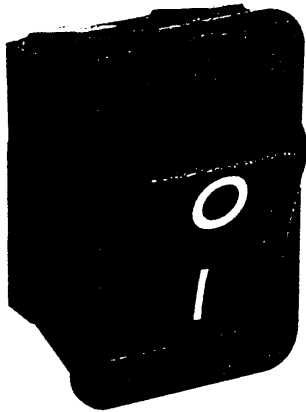


An extensive range of legends are available.

Some examples are illustrated here.



High Inrush Switches 150A to EN61058-1



To create a 7 digit catalogue number:

Refer to the 4 columns below, shaded in grey, starting with "Terminal Code"

Examples of products with their 10 digit numbers are illustrated opposite.

For other versions state the first 7 digits, then describe in words:

Rocker colour, Body colour, Matt or gloss finish, Rocker printing,

Voltage (for illuminated units, 100/125V marked 110V, or 200/250V marked 230V)

Illuminated switches are available with red, amber, green or clear lenses/rockers.

All switches have 3mm contact gap.

All switches suitable for class II appliances.

◆ = Automatically assembled.

Additional technical data for this product range will be found on page 2.



①150A Inrush to EN61058-1

16(4)A 250Vac T85

20A 28Vdc

UL CSA 20A 250Vac

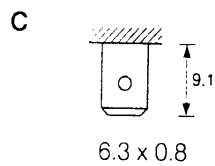
UL CSA 250Vac 1hp, 125Vac ½hp

UL file no. E45221

▶ TERMINAL CODE

SWITCH FUNCTION CODE

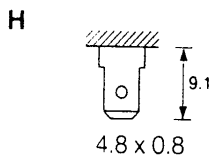
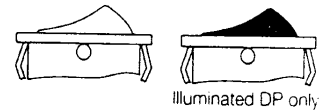
▶ ROCKER CODE



Approvals & ratings vary with function



A Softline
Matt only

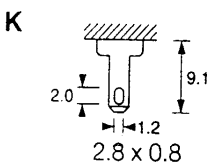
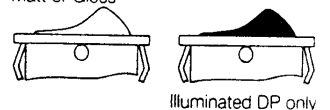


1300 ◆
16(6) T125+++

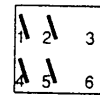
Single pole
ON/OFF



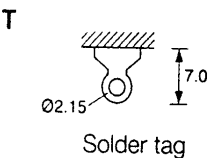
V Curved
Matt or Gloss



Approvals & ratings vary with function



P
Illuminated window
Matt only

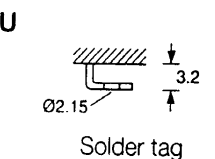


1350 ◆
16(4) T85*

Double pole
ON/OFF

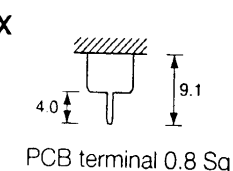


X
Softline
2 colour rocker
Matt only



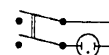
*Rating 16(6) T125+++ is available on catalogue number C1350AL

J
Lever
DP only Gloss only

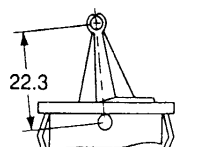


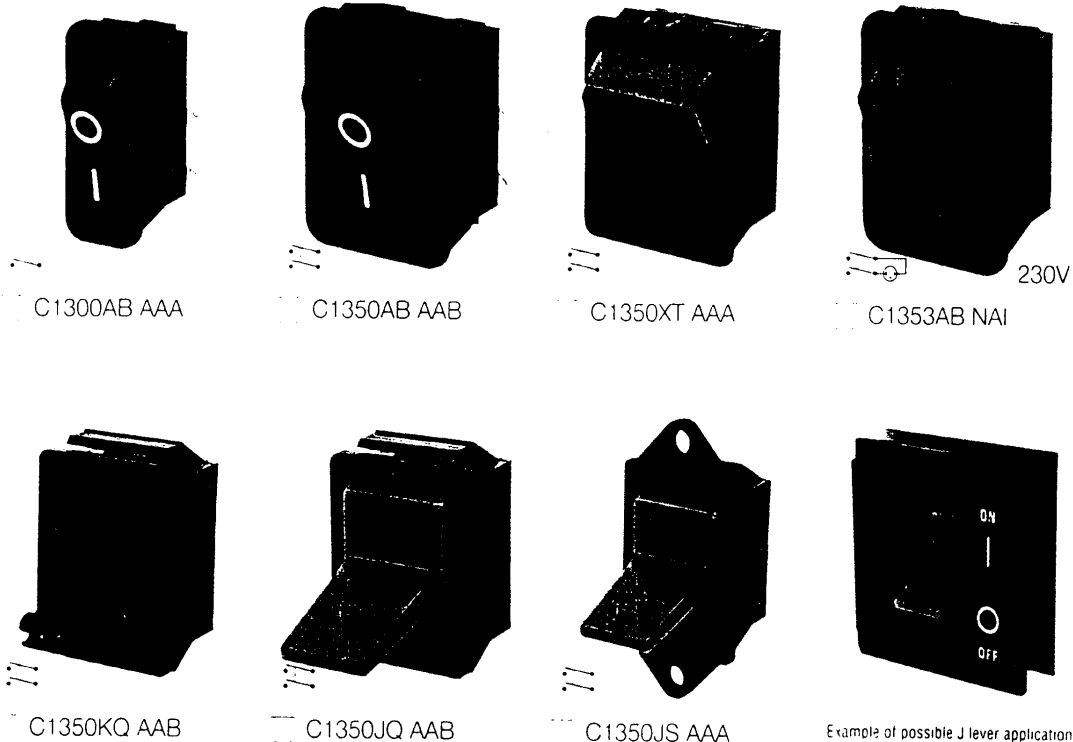
1353 ◆
16(4) T85

Double pole
ON/OFF
with light



K
Lever
DP only
Matt only





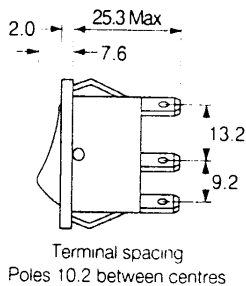
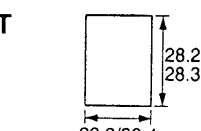
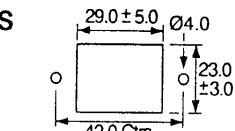
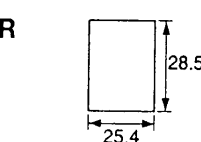
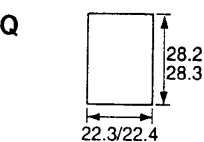
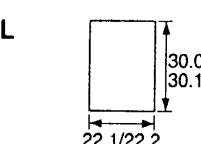
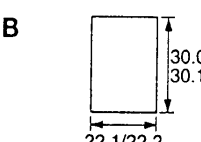
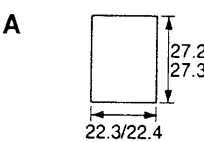
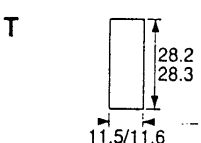
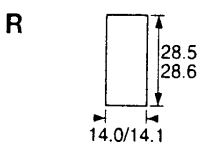
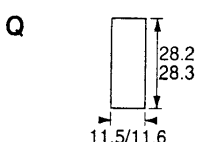
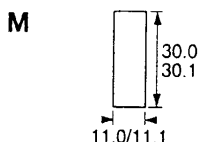
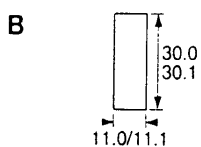
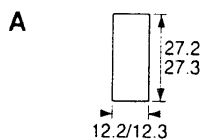
Stock product. See pages 46 & 47.



BODY CODE

DIMENSIONS

Single and Double Pole cut-outs



For snap-in fixing, panel holes must be punched in the same direction as the unit is to be fitted.

Panel thickness between:

Single Pole 0.75 and 2.5mm.

Double Pole A,Q 0.75 and 3.3mm.

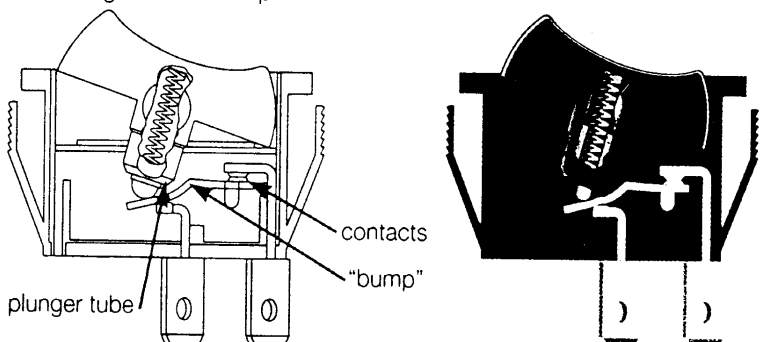
B,T 0.75 and 2.5mm.

D 0.75 and 1.2mm.

R 0.75 and 3.0mm.

Positive Break Switching - 1300 and 1350 series

Is necessary to ensure reliable isolation when high inrush currents exist. This simple mechanical system ensures that contact welds formed when switching on, are positively separated by the plunger tube acting directly on the moving contact "bump".

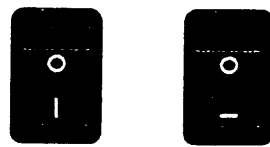


Moisture resistant covers

To fit A, L, Q, and T bodies. Details of these products can be found on pages 11, 15 & 17.

Legends are available.

Examples are illustrated here.



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[NL275C3A-CHROME](#) [NL67H2A](#) [C1510AABW](#) [C1550WABWCL050B](#) [C5503PLBR5](#) [C5503PLBR3](#) [C7053AFBA3](#) [279672](#)
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[C1353VQGBR3602AW](#) [C1353VQGBG3602AW](#) [C1500XAMBBR](#) [T0340RA](#) [L104100FAF](#) [H8503VBBR2](#) [H8503VBNAE](#) [NL67C2R](#)
[C3900BA](#) [NL2950BWL2A](#) [C6053ALBG31197WB](#) [NL177WL2R](#) [C480AABA7](#) [H8503VBBR2-B](#) [468](#) [LH1050WL-3602](#) [T0063AOFAD](#)
[C1560AAAAA](#)