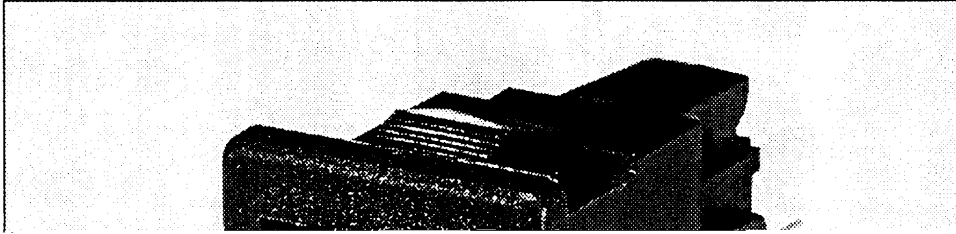


74
M33878-7 921

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

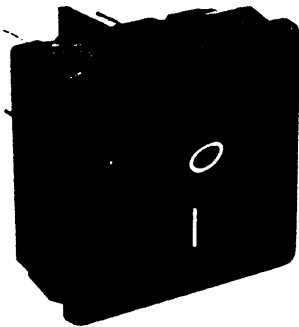
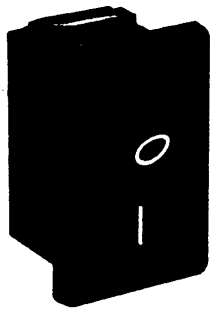
s 1350 & 1353 are 10k

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 230V).

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

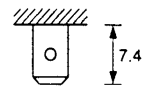
UL CSA 10A 250Vac

UL CSA 250Vac ½hp, 125Vac ¼hp

UL file no. E45221

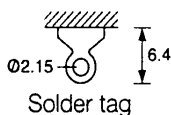
▶ TERMINAL CODE

H



4.8 x 0.8

T



Solder tag

X



PCB terminal
Ø 8Sn

SWITCH FUNCTION CODE

Approvals & ratings
vary with function



Single Pole

8600 ♦



8601
6(1)A only



8602
6(1)A only



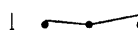
ON/OFF
illuminated

2 position
change-over

8610 ♦
6(1)A only



8611
6(1)A only



8620

3 position change-over
centre off



Double Pole

8650 ♦



8651
6(1)A only



8652
6(1)A only



8653 ♦
6(1)A only



8660 ♦
6(1)A only



8661
6(1)A only



▶ ROCKER CODE

V
Curved

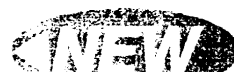
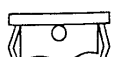


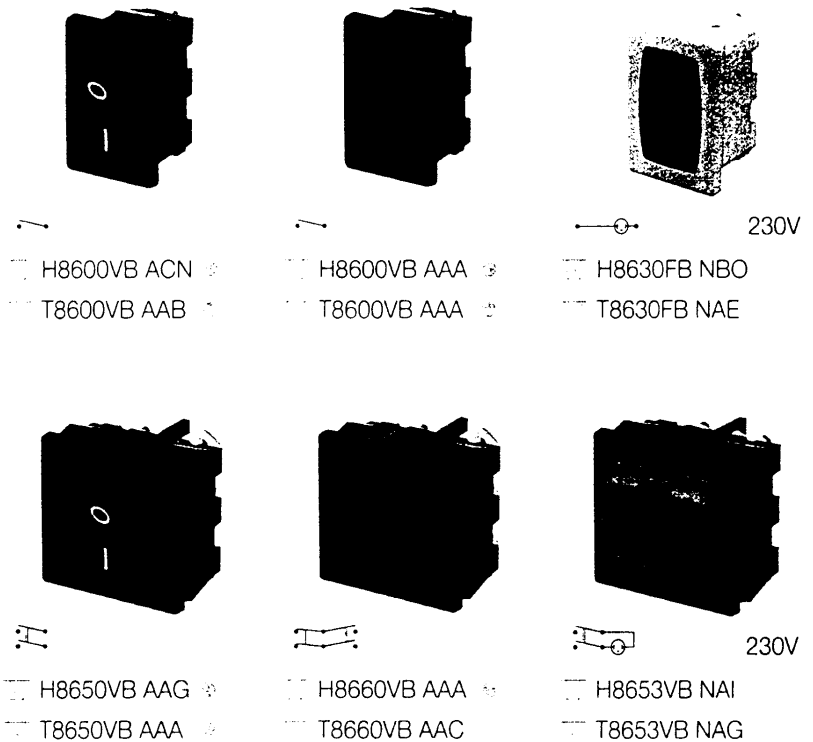
Curved Illuminated



LENS CODE

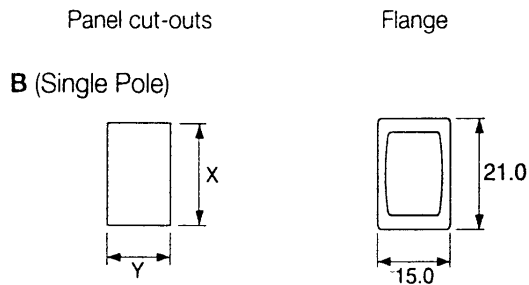
F
Flat (Single pole size only)





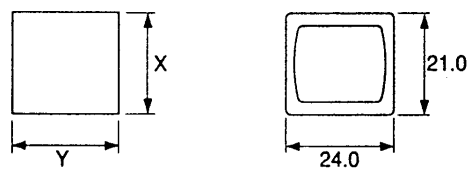
Stock product. See pages 46 & 47.

BODY CODE



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

B (Double Pole)

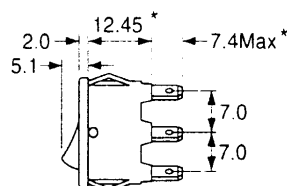


Panel thickness	Dim. X	Dim. Y
0.75-1.25	19.1/19.2	21.9/22.0
1.25-2.0	19.3/19.4	21.9/22.0
2.0-3.0	19.7/19.8	21.9/22.0

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

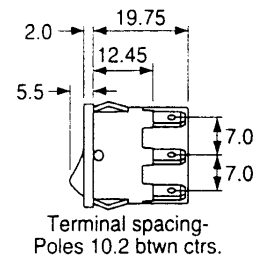
DIMENSIONS

Single pole



* For 8620 overall depth from bezel 23.5

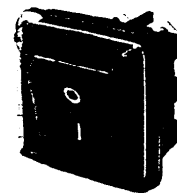
Double pole



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

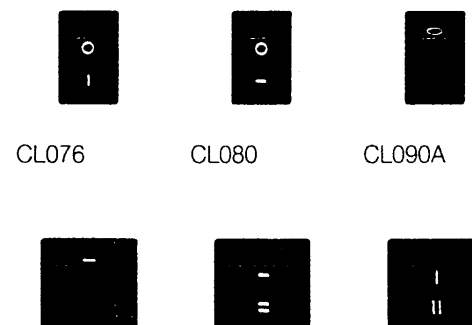


F0167LO

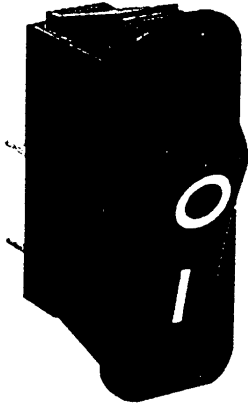


F0180LO

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



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

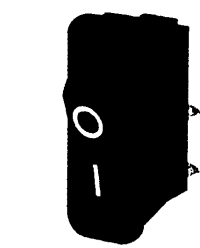
▷ **TERMINAL CODE**



SWITCH FUNCTION CODE



ROCKER CODE



C1500AB AAY
T1500AB AAB



C1500XT AAA
T1500XT AAA



C1501AA AAA
T1501AA AAA



C1510AB AAK
T1510AB AAB



C1520AB AAF
T1520AB AAA



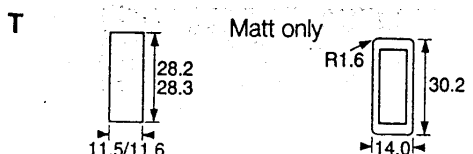
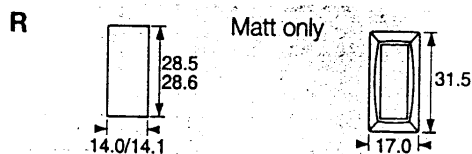
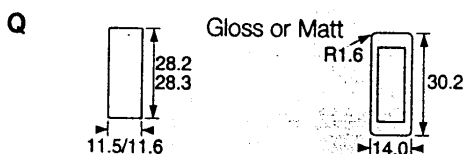
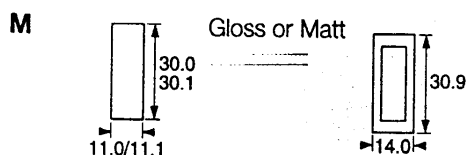
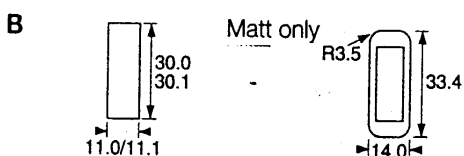
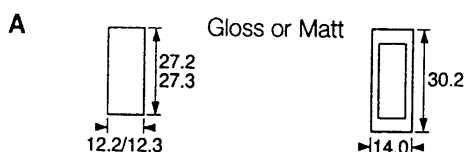
C0430AB NAT
T0430AB NAB 230V

Stock product. See pages 46 & 47.

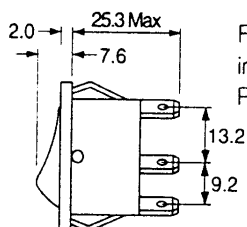
BODY CODE

Panel cut-outs

Flanges



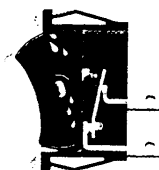
DIMENSIONS



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

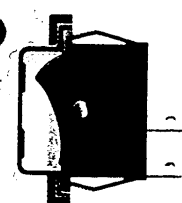
Certain switches can be assembled with an internal barrier for improved resistance against the ingress of water or dust. Applications should be discussed with Arcoelectric.



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.



EN602A



EN1091

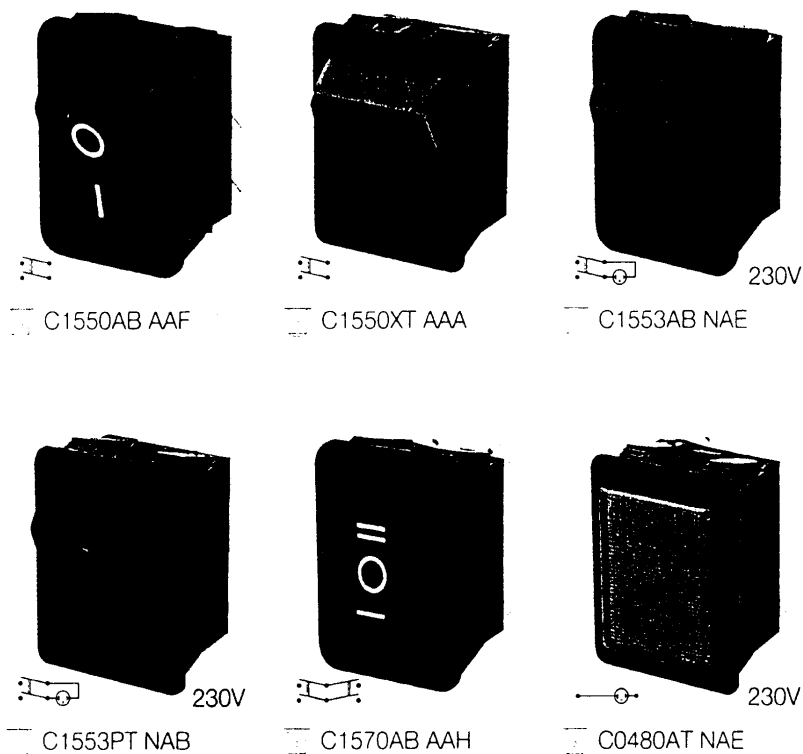


EN822



EN695





Stock product. See pages 46 & 47.

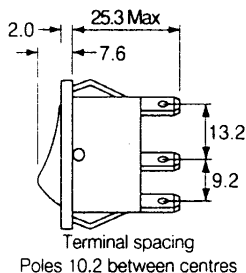
BODY CODE

Panel cut-outs

Flanges

A		
B		
D		
L		
Q		
R		
T		

DIMENSIONS



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

Panel thickness between:

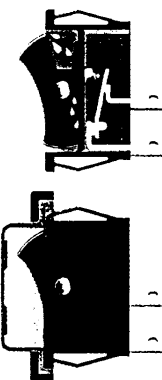
A, Q	0.75 and 3.3mm.
L, B, T	0.75 and 2.5mm.
D	0.75 and 1.2mm.
R	0.75 and 3.0mm.

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.

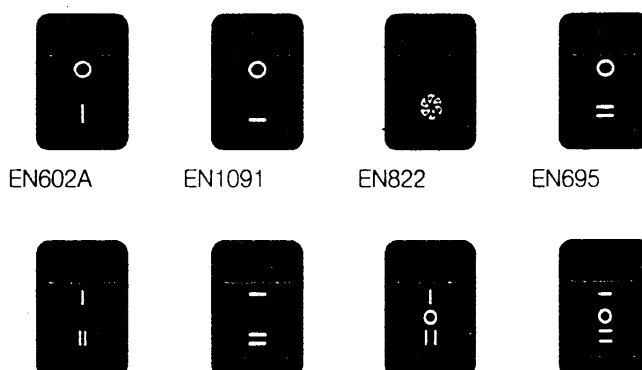
Moisture resistant covers (IP65)

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.)

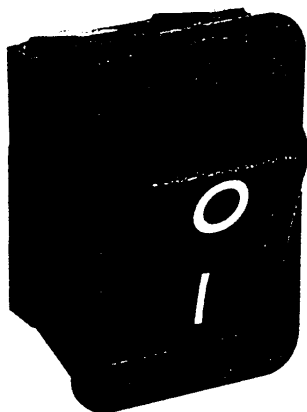


An extensive range of legends are available.

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 250V)

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.



⑤150A Inrush to EN61058-1

16(4)A 250Vac T85

20A 28Vdc

UL CSA 20A 250Vac

UL CSA 250Vac 1hp, 125Vac ½hp

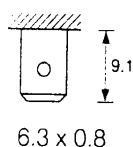
UL file no. E45221

TERMINAL CODE

SWITCH FUNCTION CODE

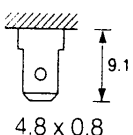
ROCKER CODE

C



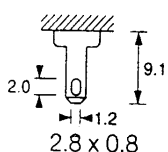
6.3 x 0.8

H



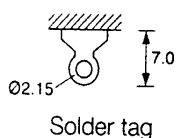
4.8 x 0.8

K



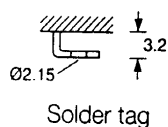
2.8 x 0.8

T



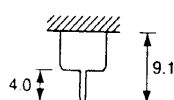
Solder tag

U



Solder tag

X



PCB terminal 0.8 Sq

Approvals & ratings
vary with function

1300 ♦
16(6) T125+++

Single pole
ON/OFF

Approvals & ratings
vary with function

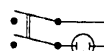
1350 ♦
16(4) T85*

Double pole
ON/OFF

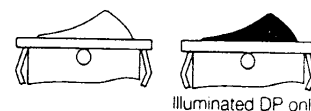
*Rating 16(6) T125+++ is available on catalogue number C1350AL

1353 ♦
16(4) T85

Double pole
ON/OFF
with light

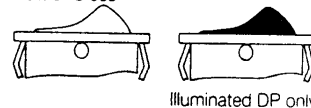


A Softline
Matt only



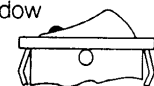
Illuminated DP only

V Curved
Matt or Gloss



Illuminated DP only

P
Illuminated window
Matt only



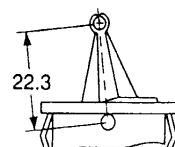
X
Softline
2 colour rocker
Matt only

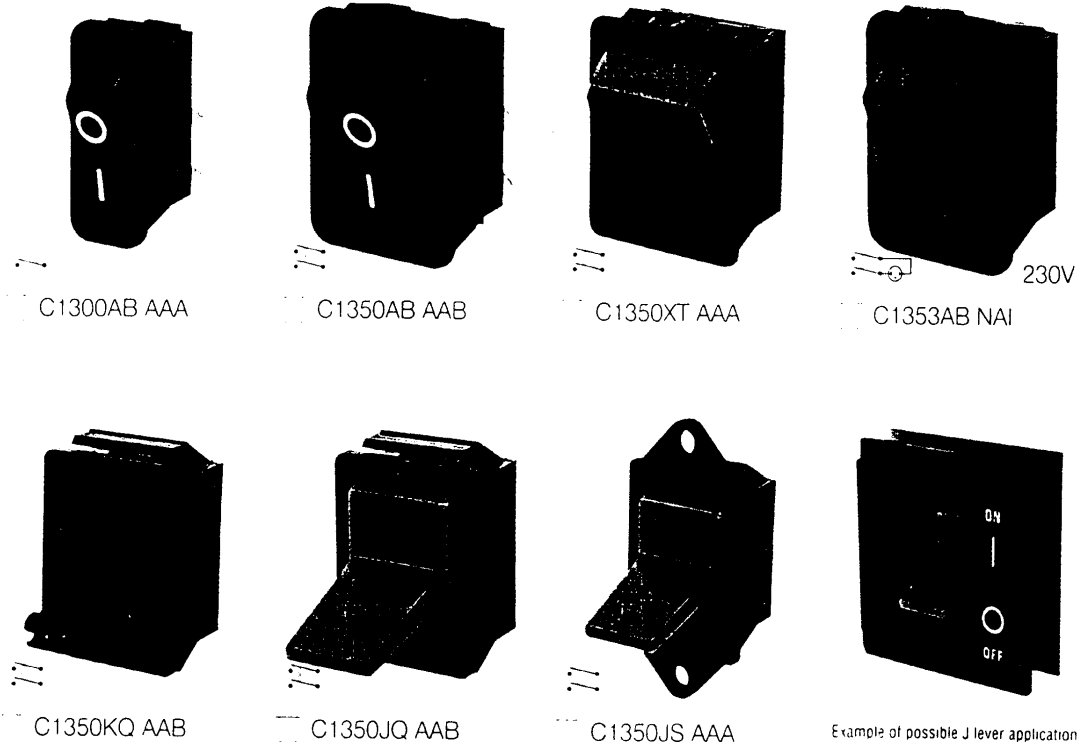


J
Lever
DP only Gloss only



K
Lever
DP only
Matt only



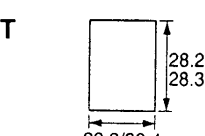
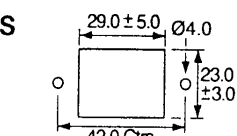
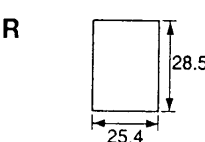
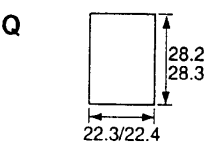
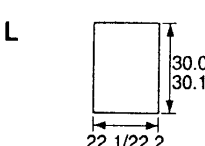
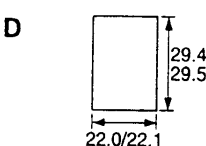
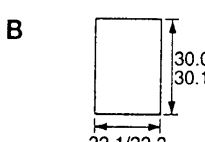
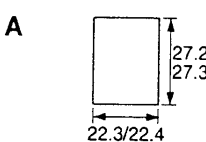
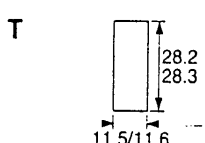
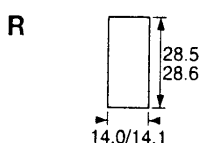
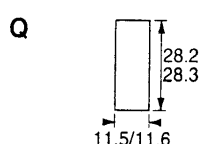
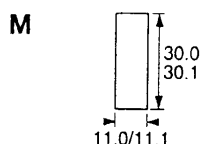
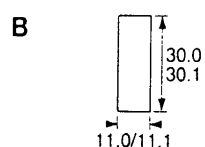
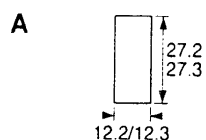


Stock product. See pages 46 & 47.

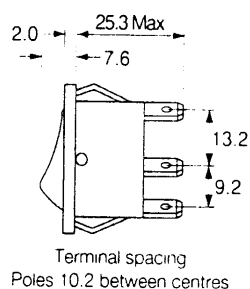


BODY CODE

Single and Double Pole cut-outs



DIMENSIONS



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.

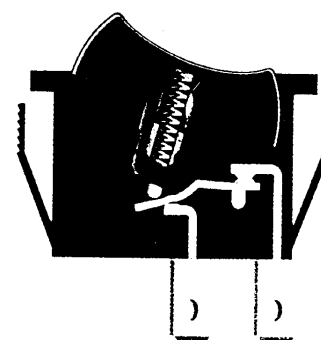
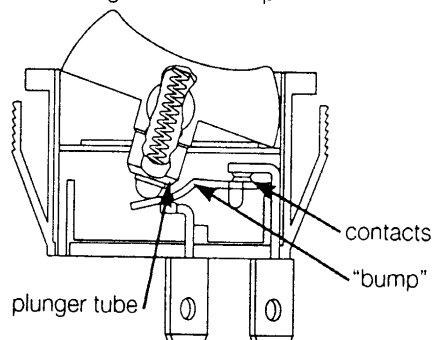
D 0.75 and 1.2mm.

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.

