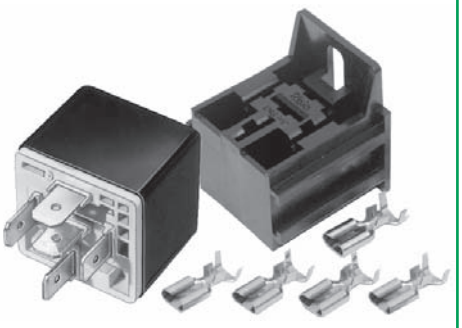
Lucas Relays

TERMINATIONS GUIDE

Terminal designations			Recommended	Terminal definitions
British	*DIN 72651*	*DIN 72552*	*Polarity*	
W2	1	86	+	Start of winding
W1	2	85	–	End of winding to negative
C1	5	87		N/O contacts
C2	3	30		Switch Input
C3	4	87a		N/C contacts
		87b		N/O double contacts
		87c		N/O double contacts
		86a		Start of winding or 1st winding
		86b		Winding Tap or 2nd winding
		88		Relay input (make-contact side)
		88a		1st Output (make-contact side)
		88b, c, d, e, f		Other outputs (make-contact side)
		88z		1st Input (make-contact)
		88y, x		2nd & 3rd Input (make-contact)
		15		Switched + from Battery (output of ignition or start switch)
		1		Ignition coil – Low voltage side
		50	+	Starter control (direct)
		31	–	Return to battery –ve (ground)
		TD		12 V square wave input from ECU
		51	+	Positive output from Generator / Alternator
		85b		End of second winding

SRB502
1 x SRB500 Relay
1 x Relay mounting block
5 x 1/4" Lucar connectors



Normally Open Contacts

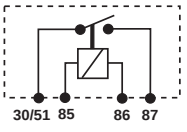
Normally Closed Contacts

Double Contacts

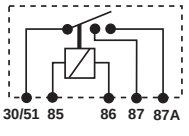
Changeover Relay

26RA

SRB402 12 V 20 A STANDARD

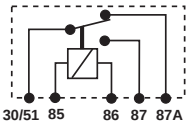


SRB400 12 V 20 A STANDARD

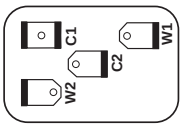


SRB411 12 V 20 A STANDARD

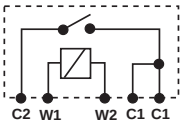
SRB420 24 V 10 A STANDARD

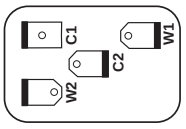


Lucas Relays — 6RA

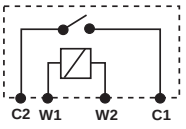


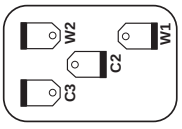
SRB111	12 V	20 A	NEOPRENE
SRB201	24 V	10 A	STANDARD



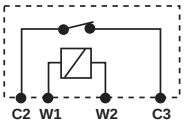


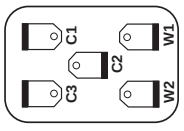
SRB113	12 V	20 A	NEOPRENE



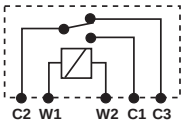


SRB131	12 V	20 A	NEOPRENE
SRB220	24 V	10 A	NEOPRENE

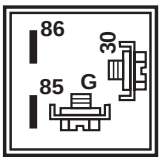




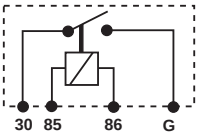
SRB143	12 V	20 A	STANDARD
SRB146	12 V	20 A	STANDARD
SRB230	24 V	10 A	NEOPRENE

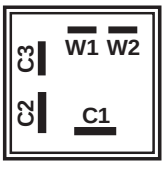


Split Charge Relays — 39RA

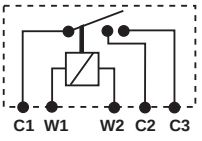


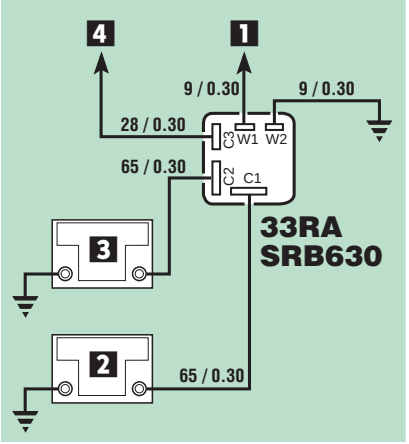
SRB600	12 V	60 A	STANDARD	CONTINUOUS
SRB601	24 V	40 A	STANDARD	CONTINUOUS
SRB631	12 V	60 A	STANDARD	INTERMITTENT
SRB632	24 V	40 A	NEOPRENE	INTERMITTENT





SRB630	12 V	60 A	STANDARD	CONTINUOUS





SRB630 is suitable for charging two independent batteries from a single source. Extra terminal for refrigerator operation.

a Select a splash free area to mount the 33RA relay, preferably in the engine compartment.

b Identify return of earth connection of existing batttery and link or earth the similar terminal of the additional batttery.

c Using the cable sizes specified connect the 33RA relay as shown in the diagram.

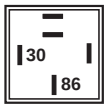
Keep cable runs as short as possible, particularly main charging leads. Ensure insulation sleeves are fitted to all connectors. Loads over 35A (connected to the additional battery), should not be switched on when the engine is running.

1 Alternator – Warning Light Terminal

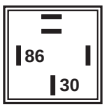
2 Main battery

3 Additional battery

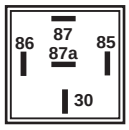
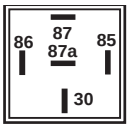
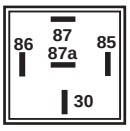
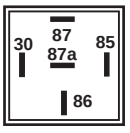
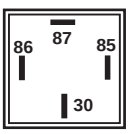
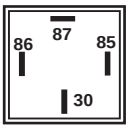
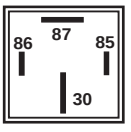
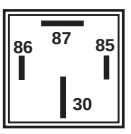
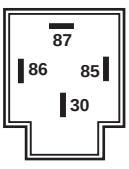
4 Refrigerator terminal

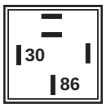
A = 

BMW, FORD, JAGUAR, OPEL, VOLVO (car).

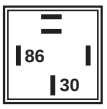
B = 

AUDI, BRITISH LEYLAND, CITROËN, DAIMLER BENZ, HHF, MAN, KHD, MASSEY FERGUSON, PEUGEOT, PORSCHE, RENAULT, SAAB, SIMCA, VOLVO & VW.

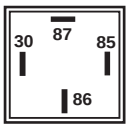
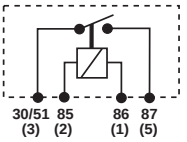
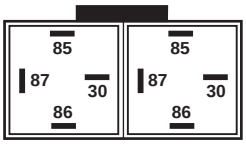
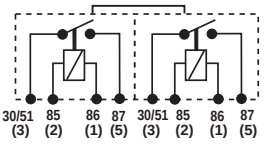
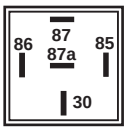
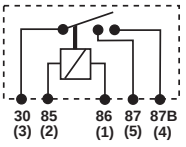
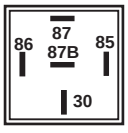
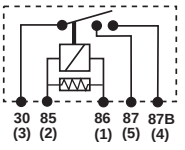
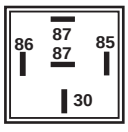
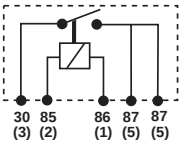
		B	**SRB500**	12 V	20/30 A	–	x
			SRB501	12 V	20/30 A	–	Optional
			SRB510	24 V	10/20 A	–	x
			SRB511	24 V	10/20 A	–	Optional
		B	**SRB525**	12 V	20/30 A	RESISTOR	Optional
			SRB535	24 V	10/20 A	RESISTOR	Optional
		B	**SRB506**	12 V	20/30 A	DIODE	Optional
			SRB507	24 V	10/20 A	DIODE	Optional
		A	**SRB527**	12 V	30/40 A	–	Optional
		B	**SRB520**	12 V	30 A	–	Optional
			SRB530	24 V	20 A	–	Optional
		B	**SRB537**	12 V	40 A	RESISTOR	Optional
		B	**SRB539**	12 V	70 A	–	Optional
			SRB541	24 V	40 A	–	Optional
		B	**SRB540**	12 V	70 A	RESISTOR	x
		B	**SRB522**	12 V	15 A	FUSED	Optional
			SRB532	24 V	15 A	FUSED	Optional

A = 

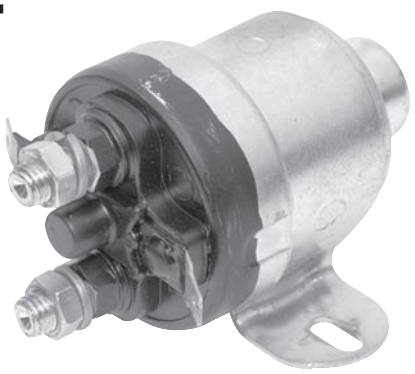
BMW, FORD, JAGUAR, OPEL, VOLVO (car).

B = 

AUDI, BRITISH LEYLAND, CITROËN, DAIMLER BENZ, HHF, MAN, KHD, MASSEY FERGUSON, PEUGEOT, PORSCHE, RENAULT, SAAB, SIMCA, VOLVO & VW.

		A	**SRB523**	12 V	30 A	–	Optional	
			SRB533	24 V	20 A	–	Optional	
		B	**SRB526**	12 V	2 x 30 A	–	✓	
		B	**SRB521**	12 V	2 x 20 A	–	Optional	
			SRB531	24 V	2 x 10 A	–	Optional	
		B	**SRB529**	12 V	2 x 20 A	RESISTOR	x	
		B	**SRB528**	12 V	2 x 15 A	–	Optional	
			SRB538	24 V	2 x 10 A	–	Optional	

2ST

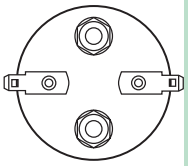


SURGE CURRENT

600 Amps – 12 Volt
250 Amps – 24 Volt

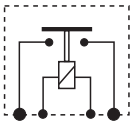
CARRYING & BREAKING CURRENT

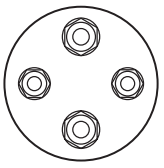
200 Amps – 12 Volt
100 Amps – 24 Volt



SRB319

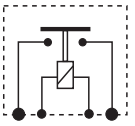
12 V
Insulated Earth Return
2.3 Ohms



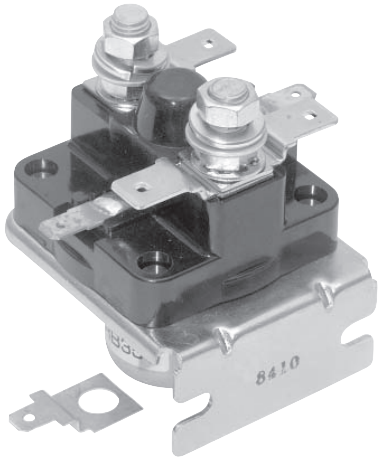


SRB321

24 V
Insulated Earth Return
10.0 Ohms



4ST

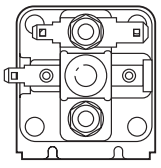


SURGE CURRENT

600 Amps – 12 Volt
250 Amps – 24 Volt

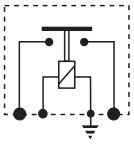
CARRYING & BREAKING CURRENT

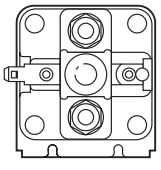
200 Amps – 12 Volt
100 Amps – 24 Volt



SRB325

12 V
Earth Return
2.3 Ohms

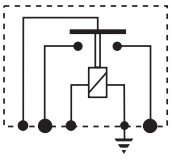


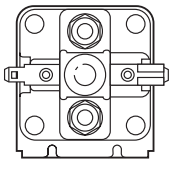


SRB333

12 V
Earth Return
2.3 Ohms

For use with Ballasted Ignition Coil

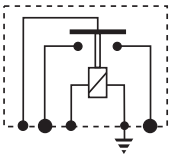


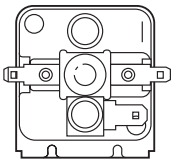


SRB335

12 V
Earth Return
2.3 Ohms

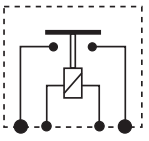
For use with Ballasted Ignition Coil

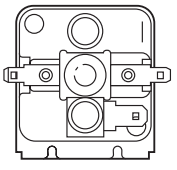




SRB341

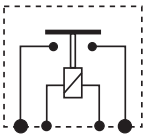
12 V
Insulated Earth Return
2.3 Ohms

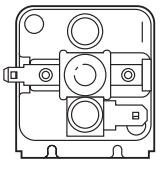




SRB351

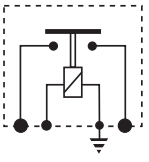
24 V
Insulated Earth Return
10.0 Ohms

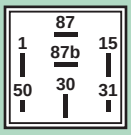




SRB346

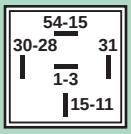
24 V
Earth Return
10.0 Ohms





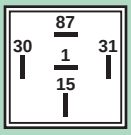
FDB501

Fuelling Relay	GM, Vauxhall, Opel	12 V	16 A	Prime time :	N/A
				Fall time :	0,5 sec max.



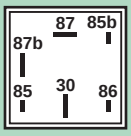
FDB502

Fuelling Relay	Ford	12 V	16 A	Prime time :	0,8 – 0,9 sec
				Fall time :	0,5 – 0,9 sec



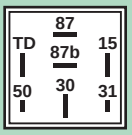
FDB503

Fuelling Relay	Ford	12 V	16 A	Prime time :	N/A
				Fall time :	0,7 – 1,1 sec



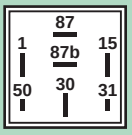
FDB504

Fuelling Relay	GM, Vauxhall, Opel	12 V	7,5 A	Prime time :	N/A



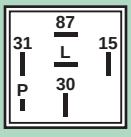
FDB505

Fuelling Relay	Citroën, Ferrari, Fiat, Lancia, Peugeot & Seat	12 V	16 A	Prime time :	N/A
				Fall time :	0,1 – 0,5 sec



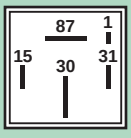
FDB506

Fuelling Relay	Citroën	12 V	16 A	Prime time :	N/A
				Fall time :	0,2 – 0,6 sec



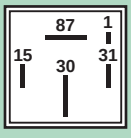
FDB507

Fuelling Relay	VAG, VW	12 V	16 A	Delay time :–	
				120 seconds minimum after 'turn off'	
				of terminal 15 with L & P connected	



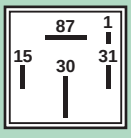
FDB508

Fuelling Relay	VAG, VW	12 V	16 A	Prime time :	N/A
+ max rpm control				Fall time :	0,8 – 1,2 sec
				Limit :	6500 rpm (4 cyl)



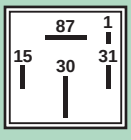
FDB509

Fuelling Relay	VAG, VW, Audi	12 V	16 A	Prime time :	N/A
+ max rpm control				Fall time :	0,8 – 1,2 sec
				Limit :	6500 rpm (5 cyl)



FDB510

Fuelling Relay	VAG, VW, Audi	12 V	16 A	Prime time :	N/A
+ max rpm control				Fall time :	0,8 – 1,2 sec
				Limit :	7100 rpm (5 cyl)



FDB511

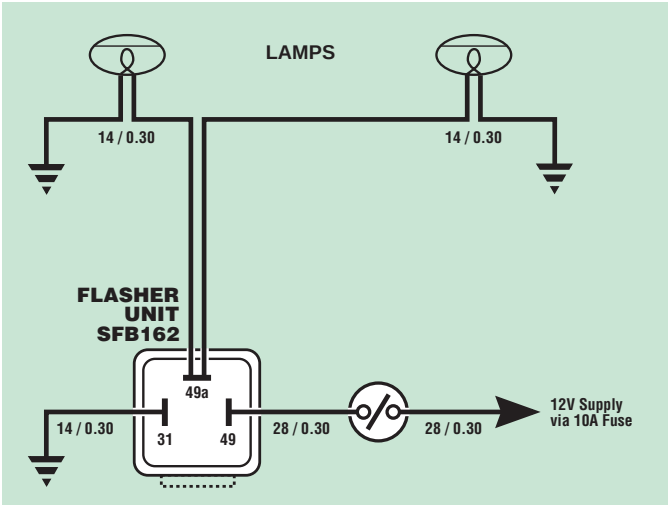
Fuelling Relay	VAG, VW, Audi	12 V	16 A	Prime time :	N/A
+ max rpm control				Fall time :	0,8 – 1,2 sec
				Limit :	6700 rpm (4 cyl)

TERMINATIONS GUIDE

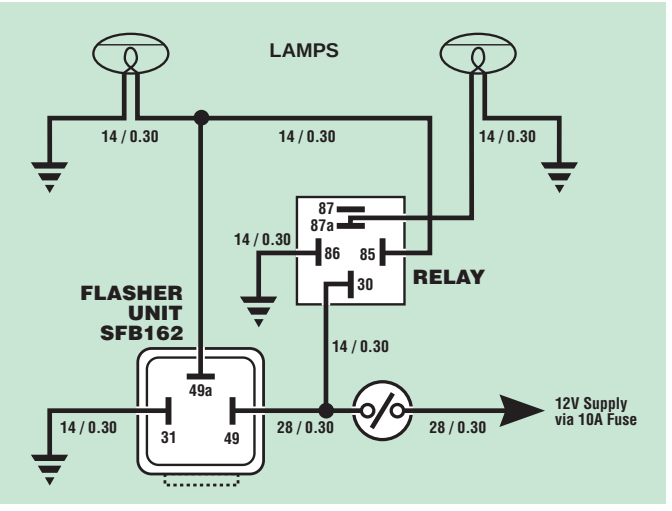
LUCAS TERMINALS		
Markings	**Connections**	**ALTERNATIVE MARKINGS**
B, X, +, 49	Ignition Controlled Supply	1, 15, 2, 4, +49, +15, 14A, 15X, 153, H, 15A
P, C	Vehicle Pilot Light	R, KP, 1P, 8, REP, T, KBC, 5, KBL
L, 49a	Direction Indicator Switch	C, 2, 5, S54, 1L, 49S, 6, COM, 54L, L54, 0, CL, S
C2	Trailer Pilot Light	P2 , Lead
–, 31	Earth (Ground)	1, 5, 31, E, Masse, $\sum$

Suggested Wiring Combinations

To produce synchronised flashing lamps



To produce alternating flashing lamps



Ignition switch

Key operated two position panel mounted rotary switch. Key can be withdrawn in the "off" position only. Electrical connections are Lucar blade or screw terminals. Supplied with or without lock and keys.

30608

2 | 12 V | 24 V

Type **1**

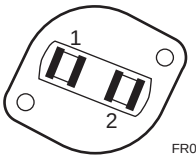
Dimensions: ⊲A⊳ = 54, ⊲B⊳ = 32 x 41

Piercing = **C**

Finish = STANDARD = K1

Circuit	1	2
'OFF'		
'ON'	▲	▲

Max Current 12 V 24 V — 17.5 A



FR0300

31287

2 | 12 V | 24 V

Type **2**

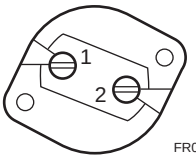
Dimensions: ⊲A⊳ = 50, ⊲B⊳ = 32 x 41

Piercing = **D** **H**

Finish = CHROME = K1

Circuit	1	2
'OFF'		
'ON'	▲	▲

Max Current 12 V 24 V — 17.5 A



FR0301

34387

2 | 12 V | 24 V

Type **4**

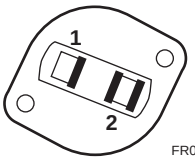
Dimensions: ⊲A⊳ = 54, ⊲B⊳ = 32 x 41

Piercing = **C**

Finish = STANDARD = K1

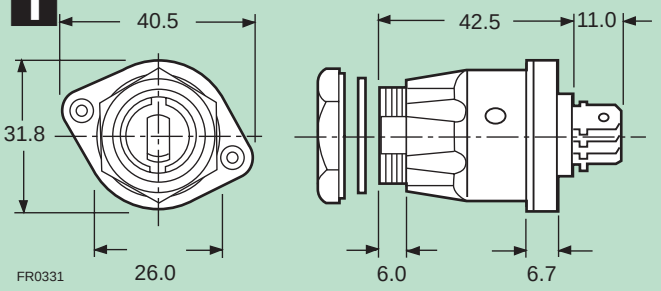
Circuit	1	2
'OFF'		
'ON'	▲	▲

Max Current 12 V 24 V — 17.5 A



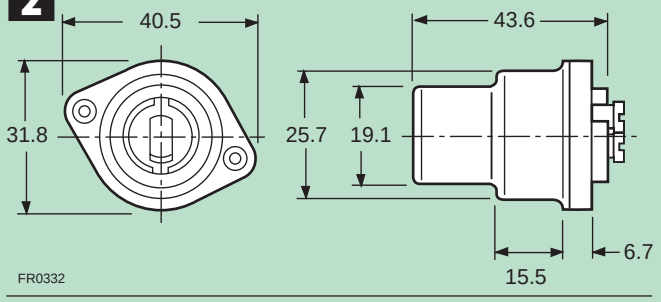
FR0306

1



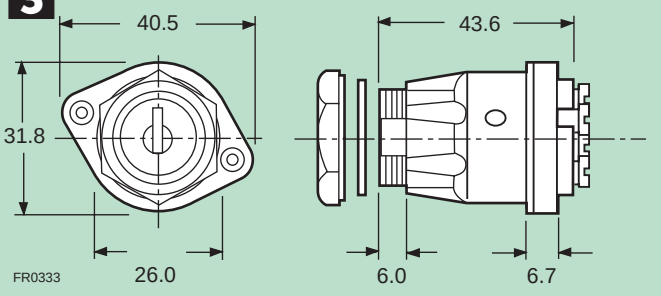
FR0331

2



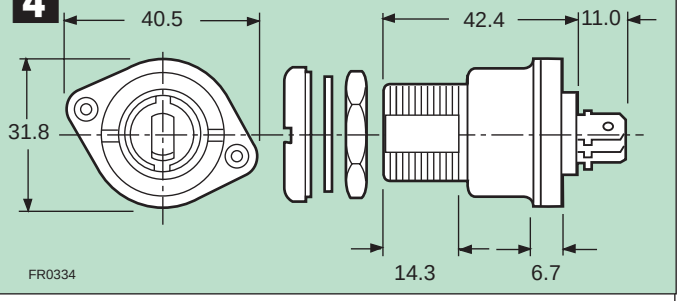
FR0332

3

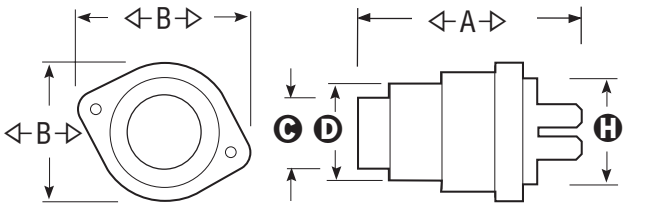


FR0333

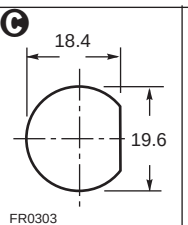
4



FR0334

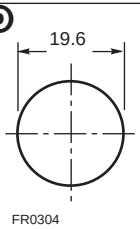


C



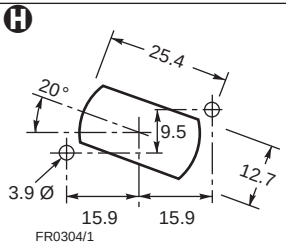
FR0303

D



FR0304

H



FR0304/1

K1 Order lock and keys separately, standard lock and keys part no. 54316732 or unique lock and keys part no. 54316731.

K2 Replacement lock and keys part no. 54316732.

All dimensions are shown in millimetres unless stated otherwise.

47SA

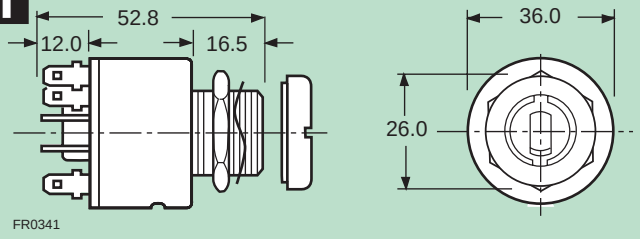
PS0001

Accessories/ignition/starter

Three or four position, key operated rotary switch. Key can be removed in 'Off' position only. Panel mounted, not suitable for marine use.

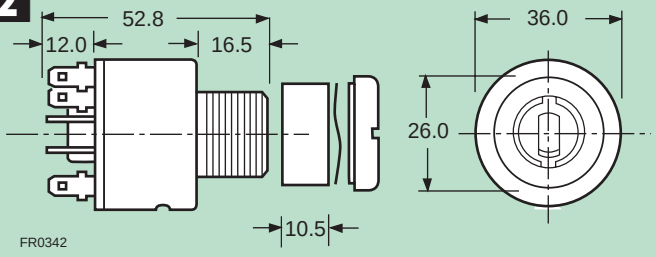
Supplied complete with bezel and locking nut. Suitable for 12 V applications only. Electrical connections are Lucar blade terminals.

1



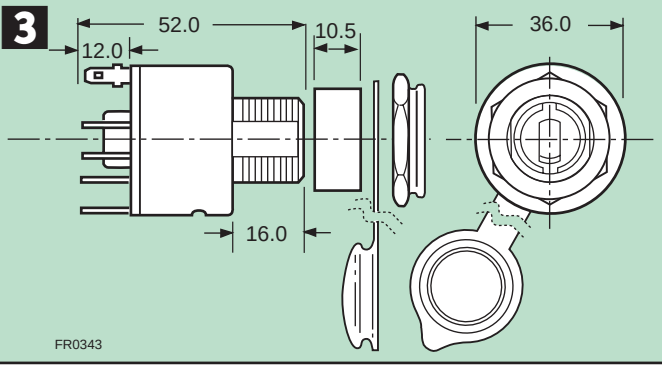
FR0341

2



FR0342

3



FR0343

K1 Order lock and keys separately, standard lock and keys part no. 54316732 or unique lock and keys part no. 54316731.

K2 Replacement lock and keys part no. 54316732.

31973

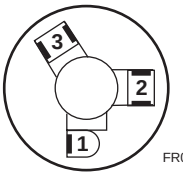
3 | 12 V

Type 1

Dimensions: ◁A▷ = 55 ◁B▷ = 36

Piercing = C

Finish = STANDARD = K1



FR0337

Circuit	1 STR	2 IGN	3 FEED
'OFF'			
'IGN'		▲	▲
'IGN/STR'	⇧ ▲	▲	▲
Max Current 12 V	16 A	5 A	

34680

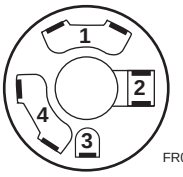
4 | 12 V

Type 1

Dimensions: ◁A▷ = 55 ◁B▷ = 36

Piercing = C

Finish = STANDARD = K1



FR0340

Circuit	1 FEED	2 IGN	3 STR	4 AUX
'AUX'	▲			▲
'OFF'				
'AUX/IGN'	▲	▲		▲
'IGN/STR'	⇧ ▲	▲	▲	
Max Current 12 V		5 A	16 A	15 A

35351

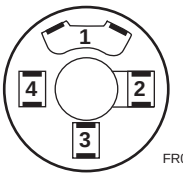
4 | 12 V

Type 3

Dimensions: ◁A▷ = 55 ◁B▷ = 36

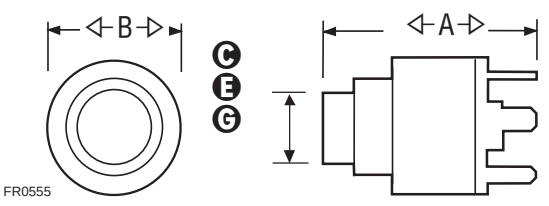
Piercing = E

Finish = STANDARD = K1



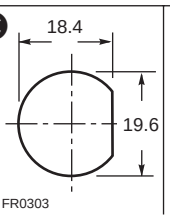
FR0339

Circuit	1 FEED	2 IGN	3 LTS	4 PK LTS
'AUX'	▲			▲
'OFF'				
'IGN'	▲	▲		
'IGN/LTS'	▲	▲	▲	
Max Current 12 V		5 A	15 A	15 A



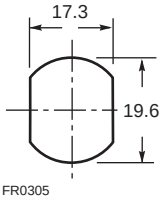
FR0555

C



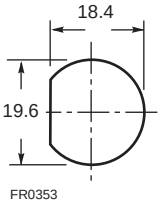
FR0303

E



FR0305

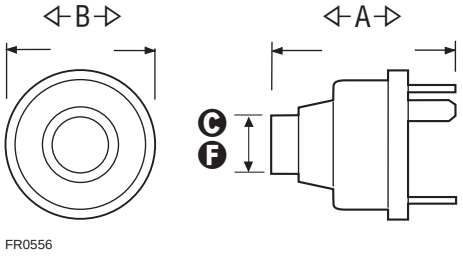
G



FR0353

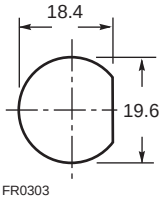
Ignition/heater/starter

Heavy duty rotary, key operated switch, suitable for commercial, agricultural and industrial applications. Petrol or diesel engines. Panel mounted, splash proof. Available in three, four and five position versions, Lucas type lock or barrel lock and keys. Electrical connections are Lucar blade terminals.



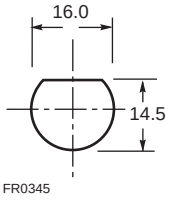
FR0556

C



FR0303

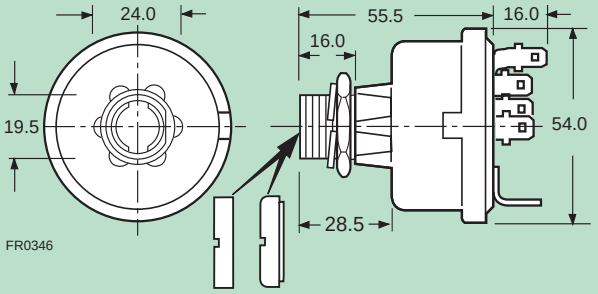
F



FR0345

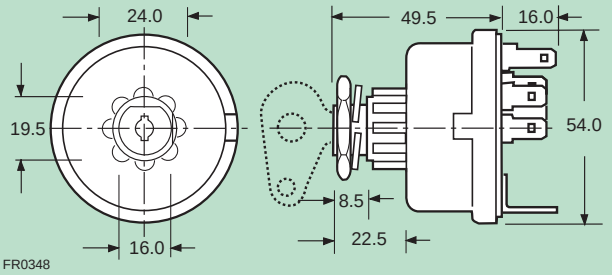
K1 Order lock and keys separately,
standard lock and keys part no. 54316732
or unique lock and keys part no. 54316731.
K2 Replacement lock and keys part no. 54316732.
K3 Replacement keys part no. 54324157.
K4 Order knob separately part no. 54340037.

1



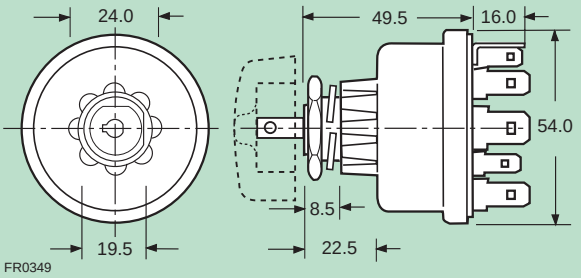
FR0346

2



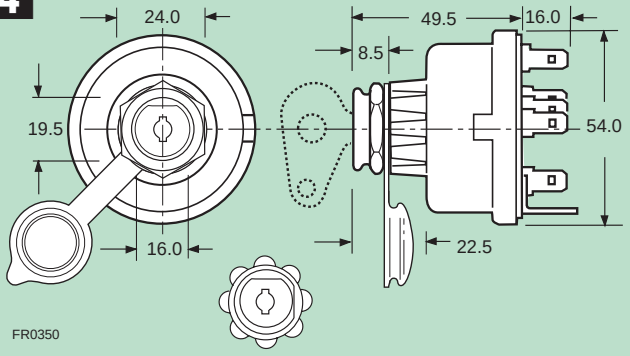
FR0348

3

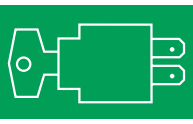


FR0349

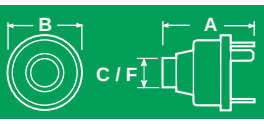
4



FR0350



128SA



30792

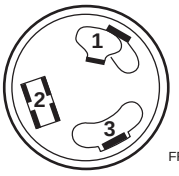
4 | 12 V | 24 V

Type 2

Dimensions: ◁A▷ = 66 ◁B▷ = 54

Piercing = C/F

Finish = STANDARD = K3



FR0309

Circuit	1 FEED	2 HTR	3 STR
'HTR/STR' ⇩	▲	▲	▲
'HTR' ⇩	▲	▲	
'OFF'			
'START' ⇧	▲		▲

Max Current 12 V/24 V: 15/7.5 A 16/5 A

33820

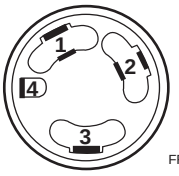
4 | 12 V | 24 V

Type 2

Dimensions: ◁A▷ = 66 ◁B▷ = 54

Piercing = C/F

Finish = NEOPRENE = K3



FR0310

Circuit	1 FEED	2 AUX	3 HTR	4 STR
'OFF'				
'AUX'	▲	▲		
'AUX/HTR' ⇧	▲	▲	▲	
'AUX/HTR/STR' ⇧	▲	▲	▲	▲

Max Current 12 V/24 V: 10 A/– 15/7.5 A 16/5 A

33838

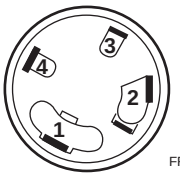
4 | 12 V | 24 V

Type 3

Dimensions: ◁A▷ = 66 ◁B▷ = 54

Piercing = C F

Finish = STANDARD = K4



FR0311

Circuit	1 FEED	2 AUX	3 STP	4 STR
'STP' ⇩	▲		▲	
'OFF'				
'AUX'	▲	▲		
'AUX/STR' ⇧	▲	▲		▲

Max Current 12 V/24 V: 10 A/– 16/5 A

33884

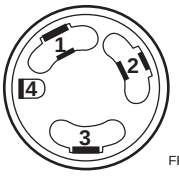
4 | 12 V | 24 V

Type 1

Dimensions: ◁A▷ = 72 ◁B▷ = 54

Piercing = C

Finish = NEOPRENE = K1



FR0312

Circuit	1 FEED	2 AUX	3 HTR	4 STR
'OFF'				
'AUX'	▲	▲		
'AUX/HTR' ⇧	▲	▲	▲	
'AUX/HTR/STR' ⇧	▲	▲	▲	▲

Max Current 12 V/24 V: 10 A/– 15/7.5 A 16/5 A

33940

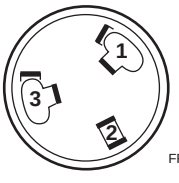
3 | 12 V

Type 2

Dimensions: ◁A▷ = 62 ◁B▷ = 54

Piercing = C F

Finish = CRONAK = K3



FR0313

Circuit	1 FEED	2 STR	3 IGN
'OFF'			
'IGN'	▲		▲
'STR' ⇧	▲	▲	▲

Max Current 12 V: 16 A 5 A

33942

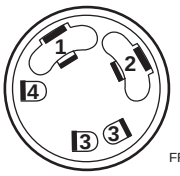
4 | 12 V | 24 V

Type 2

Dimensions: ◁A▷ = 66 ◁B▷ = 54

Piercing = C F

Finish = CRONAK = K3



FR0314

Circuit	1 FEED	2 AUX	3 HTR	4 STR
'OFF'				
'AUX'	▲	▲		
'AUX/HTR' ⇧	▲	▲	▲	
'AUX/HTR/STR' ⇧	▲	▲	▲	▲

Max Current 12 V/24 V: 10 A/– 15/7.5 A 16/5 A

35288

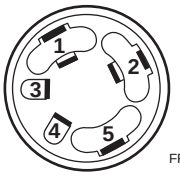
4 | 12 V | 24 V

Type 1

Dimensions: ◁A▷ = 72 ◁B▷ = 54

Piercing = C

Finish = STANDARD = K1



FR0316

Circuit	1 FEED	2 FSO	3 STR	4 AUX	5 HTR
'OFF'		▲			
'FSO/AUX'	▲	▲	▲		
'FSO/HTR' ⇧	▲	▲			▲
'FSO/HTR/STR' ⇧	▲	▲	▲		▲

Max Current 12 V/24 V: 16/5 A 10 A/– 15/7.5 A

35628

4 | 12 V | 24 V

Type 2

Dimensions: ◁A▷ = 66 ◁B▷ = 54

Piercing = C F

Finish = STANDARD = K3

FR0318

Circuit	1 HTR	2 STR	3 AUX	4 FEED
'OFF'				
'AUX'			▲	▲
'HTR' ⇧	▲			▲
'HTR/STR' ⇧	▲	▲		▲

Max Current 12 V/24 V: 15/7.5 A 16/5 A 10 A/–

35630

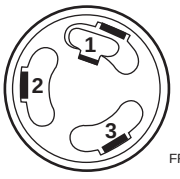
4 | 12 V | 24 V

Type 4

Dimensions: ◁A▷ = 66 ◁B▷ = 54

Piercing = C F

Finish = STANDARD = K3



FR0319

Circuit	1 FEED	2 HTR	3 STR
'HTR/STR' ⇩	▲	▲	▲
'HTR' ⇩	▲	▲	
'OFF'			
'START' ⇧	▲		▲

Max Current 12 V/24 V: 15/7.5 A 16/5 A

35640

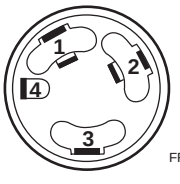
4 | 12 V | 24 V

Type 1

Dimensions: ◁A▷ = 72 ◁B▷ = 54

Piercing = C

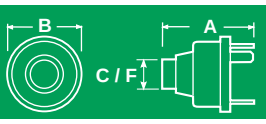
Finish = STANDARD = K1

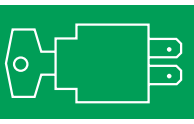


FR0320

Circuit	1 FEED	2 AUX	3 HTR	4 STR
'OFF'				
'AUX'	▲	▲		
'AUX/HTR' ⇧	▲	▲	▲	
'AUX/HTR/STR' ⇧	▲	▲	▲	▲

Max Current 12 V/24 V: 10 A/– 15/7.5 A 16/5 A





35641

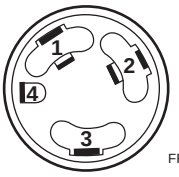
4 | 12 V | 24 V

Type 2

Dimensions: ⇤A⇥ = 66 ⇤B⇥ = 54

Piercing = C F

Finish = CRONAK = K3



FR0321

Circuit	1 FEED	2 AUX	3 HTR	4 STR
'OFF'				
'AUX'	▲	▲		
'AUX/HTR' ⇧	▲	▲	▲	
'AUX/HTR/STR' ⇧	▲	▲	▲	▲

Max Current 12 V/24 V: 10 A/– 15/7.5 A 16/5 A

35670

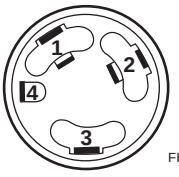
4 | 12 V | 24 V

Type 2

Dimensions: ⇤A⇥ = 66 ⇤B⇥ = 54

Piercing = C F

Finish = STANDARD = K3



FR0315

Circuit	1 FEED	2 AUX	3 HTR	4 STR
'OFF'				
'AUX'	▲	▲		
'AUX/HTR' ⇧	▲	▲	▲	
'AUX/HTR/STR' ⇧	▲	▲	▲	▲

Max Current 12 V/24 V: 10 A/– 15/7.5 A 16/5 A

35703 (supercedes 34228)

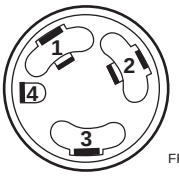
4 | 12 V | 24 V

Type 1

Dimensions: ⇤A⇥ = 72 ⇤B⇥ = 54

Piercing = C

Finish = STANDARD = K1



FR0322

Circuit	1 FEED	2 AUX	3 HTR	4 STR
'OFF'				
'AUX'	▲	▲		
'AUX/HTR' ⇧	▲	▲	▲	
'AUX/HTR/STR' ⇧	▲	▲	▲	▲

Max Current 12 V/24 V: 10 A/– 15/7.5 A 16/5 A

39427

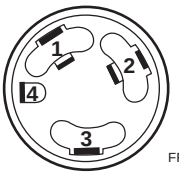
4 | 12 V | 24 V

Type 1

Dimensions: ⇤A⇥ = 72 ⇤B⇥ = 54

Piercing = C

Finish = CRONAK = K1



FR0323

Circuit	1 FEED	2 AUX	3 HTR	4 STR
'OFF'				
'AUX'	▲	▲		
'AUX/HTR' ⇧	▲	▲	▲	
'AUX/HTR/STR' ⇧	▲	▲	▲	▲

Max Current 12 V/24 V: 10 A/– 15/7.5 A 16/5 A

39589

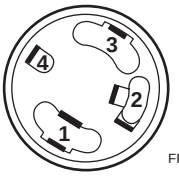
5 | 12 V | 24 V

Type 2

Dimensions: ⇤A⇥ = 66 ⇤B⇥ = 54

Piercing = C F

Finish = CRONAK = K3



FR0324

Circuit	1 FEED	2 AUX	3 HTR	4 STR
'HTR/STR' ⇩	▲		▲	▲
'HTR' ⇩	▲		▲	
'OFF'				
'AUX'	▲	▲		
'AUX/STR' ⇧	▲	▲		▲

Max Current 12 V/24 V: 10 A/– 15/7.5 A 16/5 A

39798

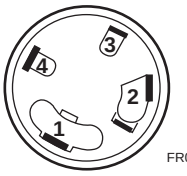
4 | 12 V | 24 V

Type 2

Dimensions: ⇤A⇥ = 66 ⇤B⇥ = 54

Piercing = C F

Finish = CRONAK = K3



FR0325

Circuit	1 FEED	2 AUX	3 STOP	4 STR
'STOP' ⇩	▲		▲	
'OFF'				
'AUX'	▲	▲		
'AUX/STR' ⇧	▲	▲		▲

Max Current 12 V/24 V: 10 A/– 16/5 A

54033527

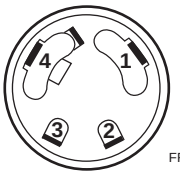
4 | 12 V | 24 V

Type 1

Dimensions: ⇤A⇥ = 72 ⇤B⇥ = 54

Piercing = C

Finish = NEOPRENE = K1



FR0327

Circuit	1 HTR	2 STR	3 AUX	4 FEED
'OFF'				
'AUX'			▲	▲
'HTR' ⇧	▲			▲
'HTR/STR' ⇧	▲	▲		▲

Max Current 12 V/24 V: 15/7.5 A 16/5 A 10 A/–

33940

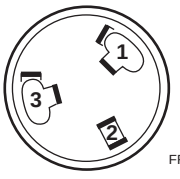
3 | 12 V

Type 2

Dimensions: ⇤A⇥ = 62 ⇤B⇥ = 54

Piercing = C

Finish = STANDARD = K3

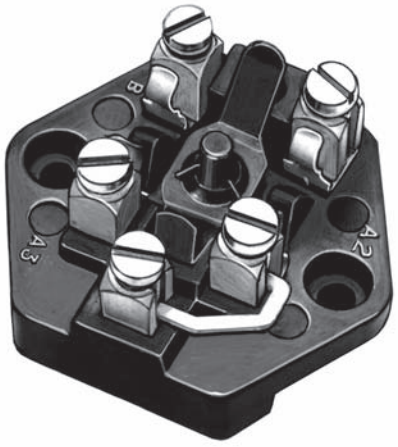


FR0313

Circuit	1 FEED	2 STR	3 IGN
'OFF'			
'IGN'	▲		▲
'STR' ⇧	▲	▲	▲

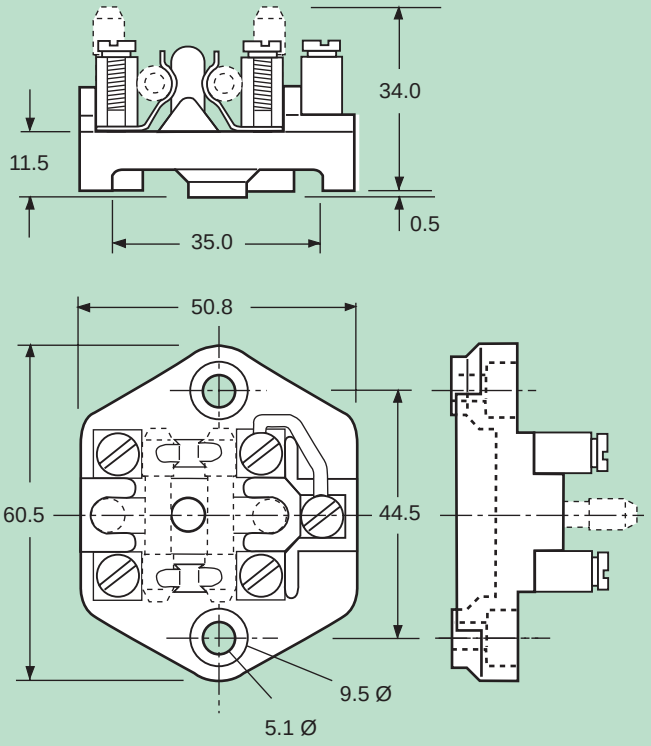
Max Current 12 V/24 V: 15/7.5 A 16/5 A

SF6



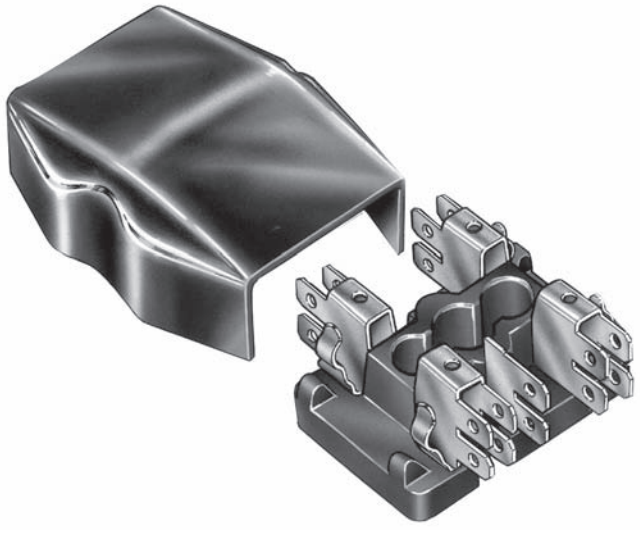
Fuse boxes
Surface mounted fuse box supplied without cover. Suitable for 12 V or 24 V, car, light commercial vehicle and industrial applications. Connections are made to heavy duty brass screw terminals. Accepts glass cartridge fuses. Supplied less fuses.

37132



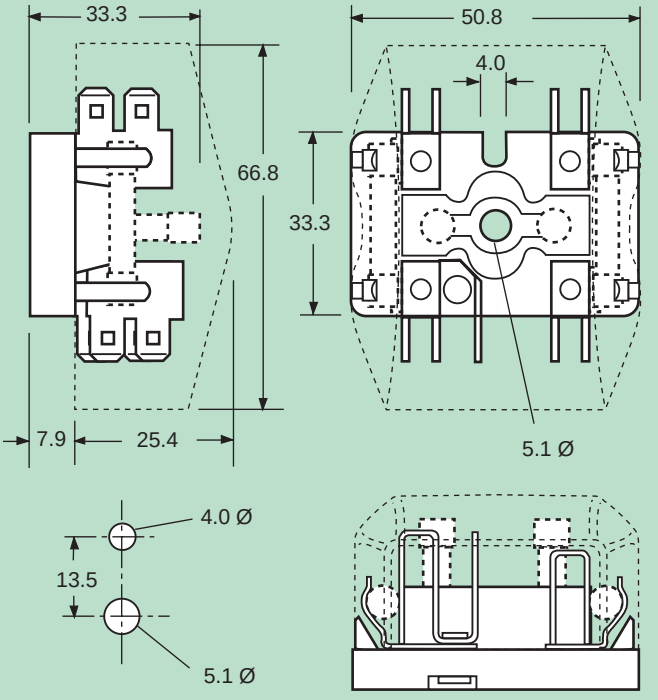
Fuse positions ..... 2 | Spare fuse positions 2

4FJ



Fuse boxes
Surface mounted fuse box with detachable cover. Suitable for car and light commercial vehicles, 12/24 V applications, not marine. All terminals are 6.35 mm, 17.5 A Lucar blades. Accepts glass cartridge fuses 29.4 mm long. Built-in positions for spare fuses. Supplied less fuses.

54038068

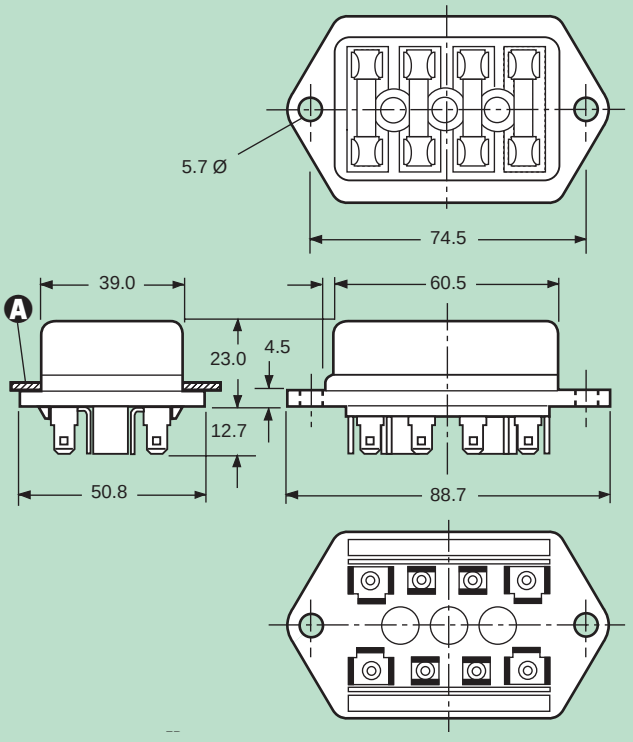


Fuse positions ..... 2 | Spare fuse positions 2

Fuse boxes

General purpose fuse box suitable for car, agricultural, industrial and commercial vehicles. 12/24 V applications, excluding marine. Designed for mounting through vehicle bulkhead, detachable cover. All terminals are 6.35 mm, 17.5 A Lucar blades. Accepts glass cartridge fuses 29.4 mm long. Built-in positions for 2 spare fuses. Supplied less fuses.

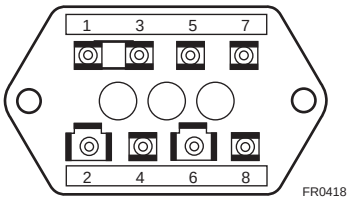
1



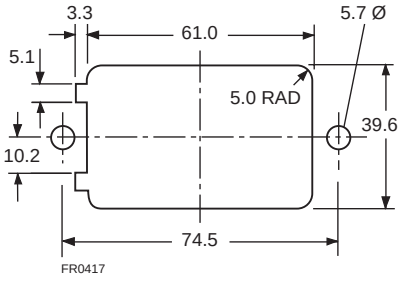
Fuse positions ..... 4 | Spare fuse positions 2

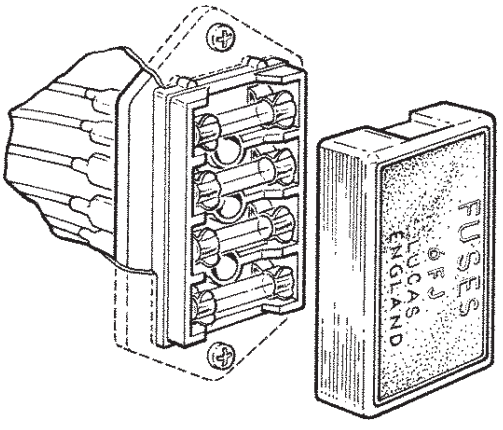
37409

Type	1
Piercing	A



A



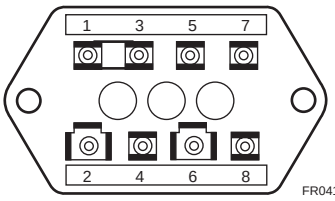


7FJ

Fuse box
General purpose fuse box suitable for car, agricultural, industrial and commercial vehicles. 12/24 V applications, excluding marine. Surface or through bulkhead mounting, detachable cover. All terminals are 6.35 mm, 17.5 A Lucar blades. Accepts glass cartridge fuses 29.4 mm long. Built-in positions for 2 spare fuses. Supplied less fuses.

37416

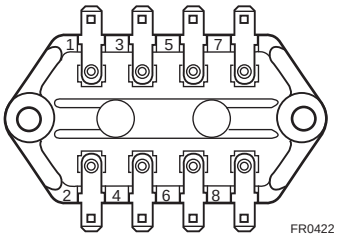
Type 1
Piercing A



FR0418

37420

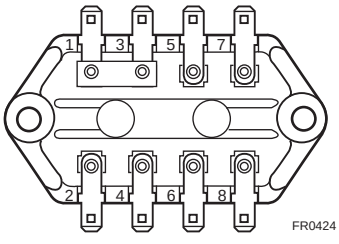
Type 2
Piercing A B



FR0422

37552

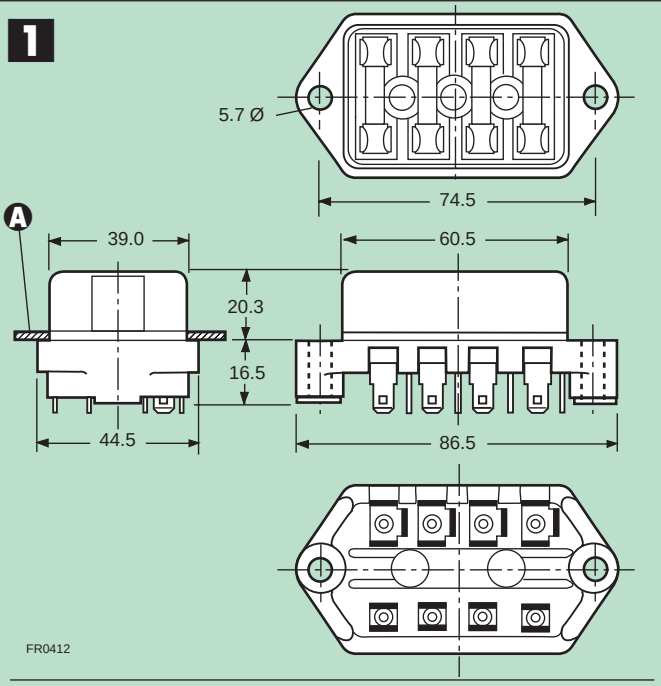
Type 2
Piercing A B



FR0424

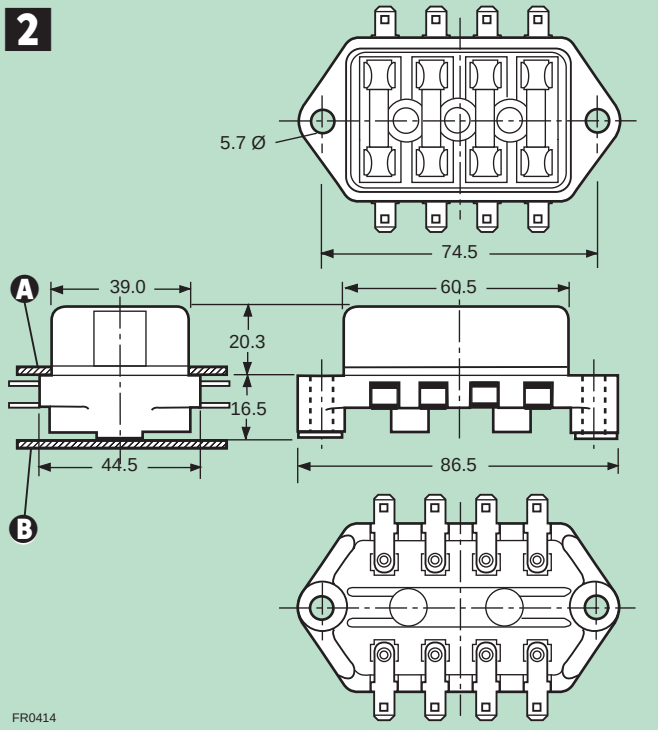
Fuse positions ..... 4 | Spare fuse positions 2

1



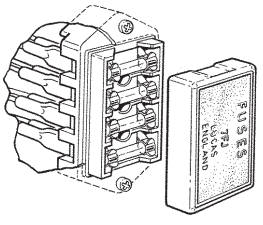
FR0412

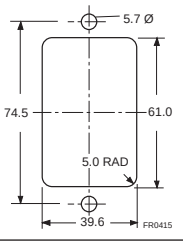
2



FR0414

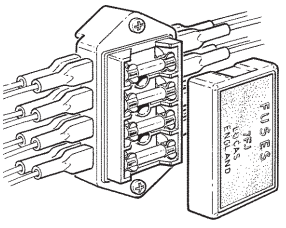
A

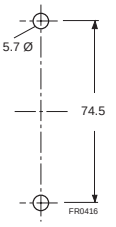




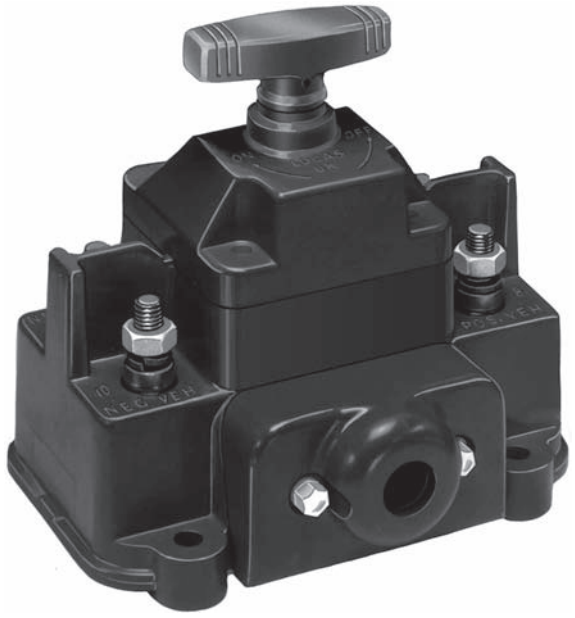
FR0415

B



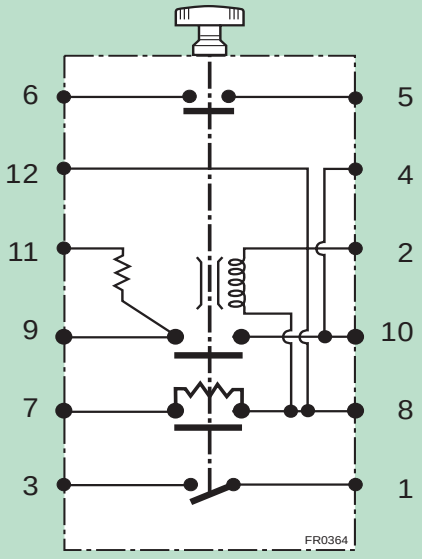


FR0416



Battery master switch

Fully sealed, heavy duty master switch specially designed for commercial vehicles. Essential for vehicles carrying dangerous loads, i.e. petroleum products, gases, acids, etc. Resistant to water, salt spray and chemical attack. Made from a self extinguishing material. Easily secured to a flat horizontal or vertical surface. Window display to indicate switch position. 'T' bar handle affords easy mechanical on/off operation. Can also be switched 'off' electrically by remote switches. Complies with existing UK legislation. Approved by British Approval Service for Electrical Equipment in Flammable Atmospheres (B.A.S.E.E.F.A 2218/U) Standard SFA3012 Intrinsic Safety, for the carriage of dangerous goods by road.



TERMINAL ARRANGEMENTS

i) Main terminals

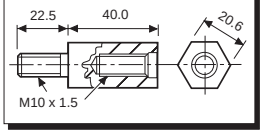
7 To battery '+' positive terminal.
8 To vehicle '+' positive supply cables.
9 To battery '-' negative terminal.
10 To vehicle '-' negative return cables.

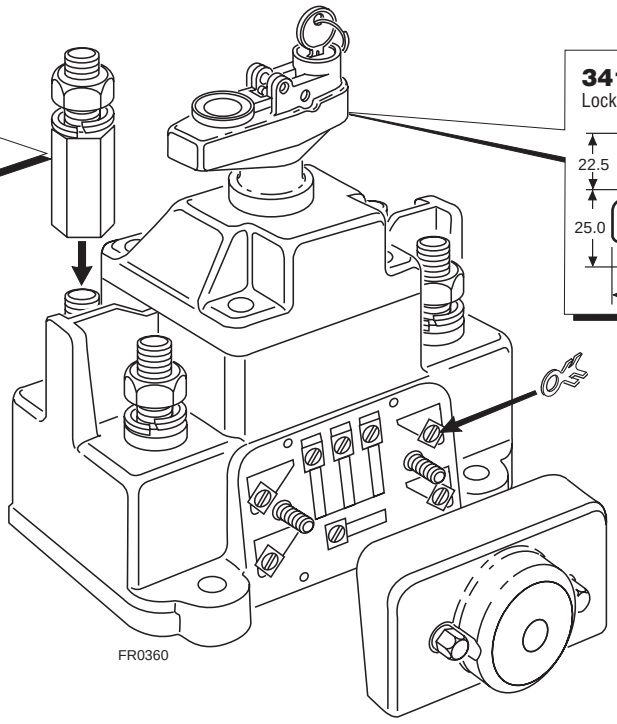
ii) Auxiliary terminals – All leads to the auxiliary terminal must pass through the centre of the cover. A suitable hole must be drilled in the pre-marked position and cable entry sealed with a waterproof gland.

1, 3 For use with alternators which do not include a surge protection device. Terminals 1 and 3 must be wired in series with the alternator field circuit.
2 Operating terminal for remote switching of internal solenoid. Return circuit via terminal 4.
NOTE If required an additional push switch may be fitted to the rear of the vehicle and wired in parallel with a cab switch.
4 Auxiliary '-' negative supply via main contacts.
5, 6 Auxiliary contacts.
11 Return '-' negative connection for vehicle tachograph, if fitted. Enables tachograph to continue to operate when switch is in 'OFF' position.
12 Auxiliary '+' positive supply via main contacts.
NOTE Internal circuit shown is for standard switch.

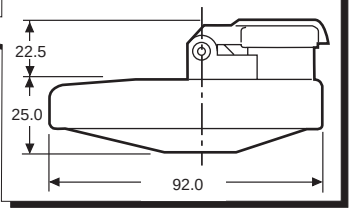
ADDITIONAL PARTS AVAILABLE

60033061
Main terminal extension posts



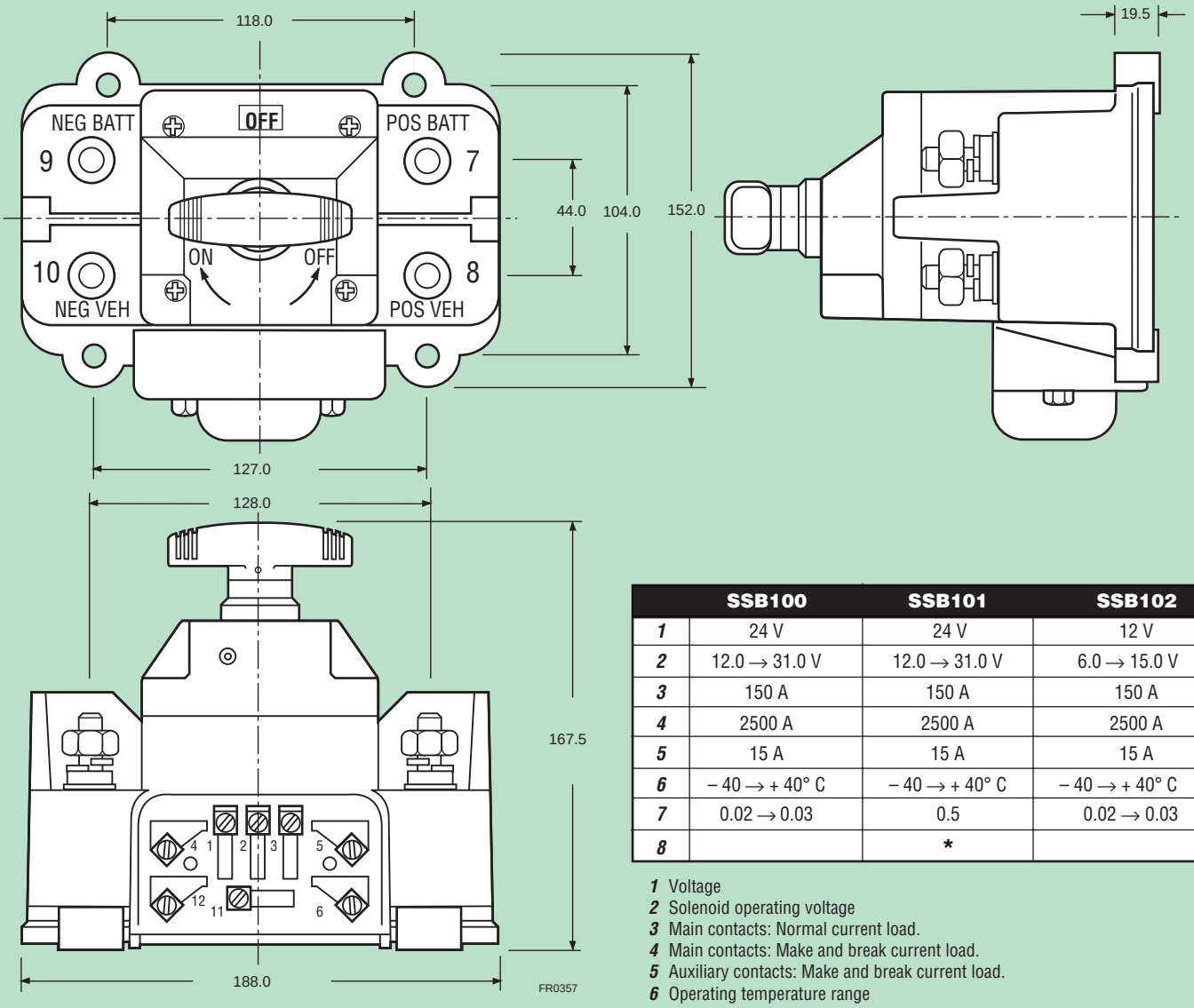


34199*
Locking handle, Red (SSB100/102)



* Prevents unauthorised switch operation. Key can be removed in locked or unlocked, 'ON' or 'OFF' positions.

196SA



	SSB100	SSB101	SSB102
1	24 V	24 V	12 V
2	12.0 → 31.0 V	12.0 → 31.0 V	6.0 → 15.0 V
3	150 A	150 A	150 A
4	2500 A	2500 A	2500 A
5	15 A	15 A	15 A
6	− 40 → + 40° C	− 40 → + 40° C	− 40 → + 40° C
7	0.02 → 0.03	0.5	0.02 → 0.03
8		*	

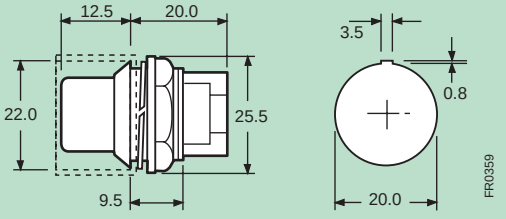
1 Voltage
2 Solenoid operating voltage
3 Main contacts: Normal current load.
4 Main contacts: Make and break current load.
5 Auxiliary contacts: Make and break current load.
6 Operating temperature range
7 Delay between main and auxiliary terminals opening. Solenoid operation only (seconds)
8 Delay type, solenoid operation only.*

* Increased delay period for alternators which require a longer period for the field circuit to collapse. Identified by yellow handle.

SUITABLE SWITCHES FOR REMOTE CUT-OFF FACILITY

SPB105

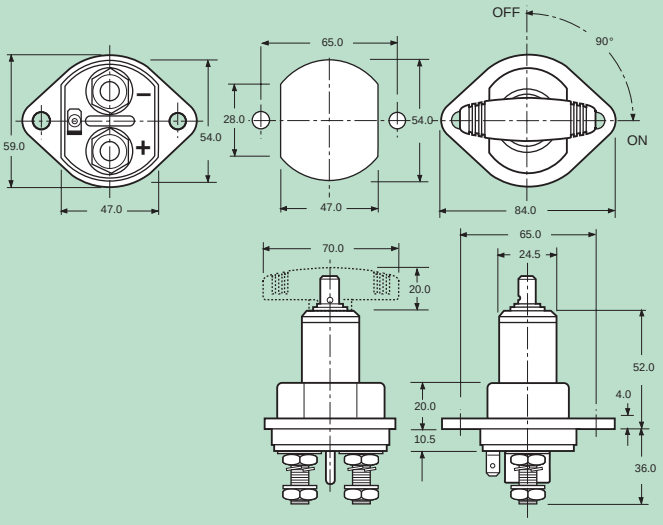
Push button switch, model, Model SS5



219SA

Battery master switch

Rotary, battery isolator switch designed for panel or bulkhead mounting. Incorporates a 100 Ohm tachograph barrier resistor. Suitable for 12 V or 24 V passenger, commercial vehicle and marine applications.



Circuit	1 '+'	2 'TACHO'	3 '–'
'OFF'			
'ON'			

‡ Switch & plain handle (red)

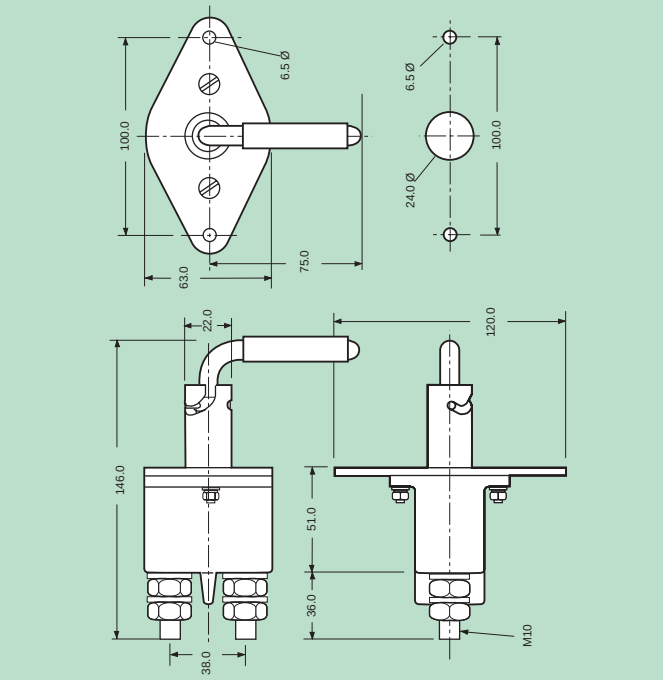
* NOTE: For 1500 A and 600 A applications, cables fitted to the main terminals should be 120 mm² csa min.

Maximum current ratings		SSB110 ‡	
Voltage		12 V	24 V
Intermittent loads	5 Secs	1500 A *	750 A
Intermittent loads	60 Secs	600 A *	300 A
Continuous loads		150 A *	150 A
Locking Handle (red) Order separately		34199	

219SA

Battery master switch

A heavy duty rotary operated Battery Isolation Switch, capable of switching up to 250 A continuous load. Incorporates a removable key for added security. Suitable for 12V or 24V passenger and commercial vehicles.



Circuit	1	2
'OFF'		
'ON'		

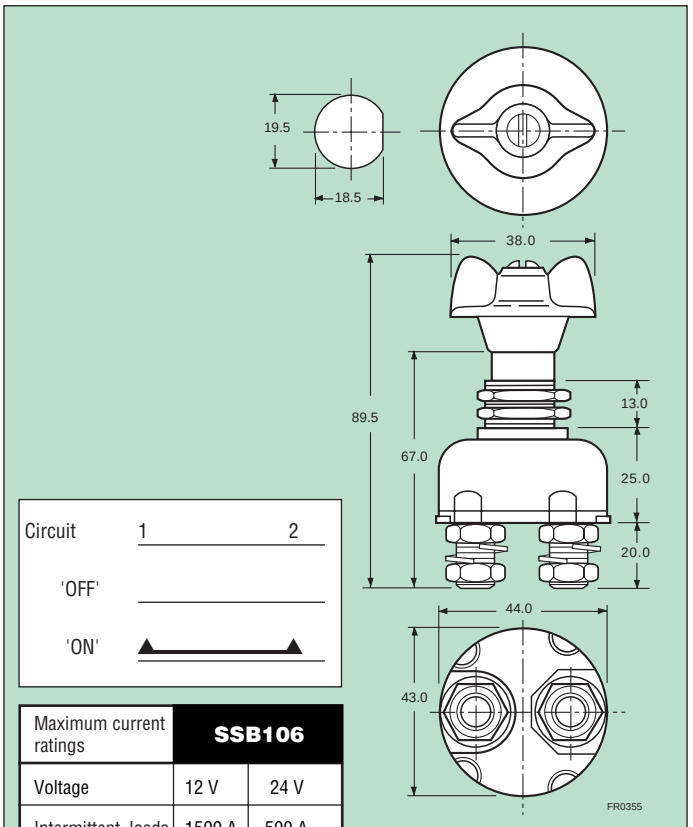
Maximum current ratings		SSB111
Voltage		12/24 V
Intermittent loads	5 Secs	2500 A
Continuous loads		250 A

All dimensions are shown in millimetres unless stated otherwise.

Lucas

ST360

Battery master switch
Panel mounted rotary 'ON-OFF' battery isolation switch. Suitable for cars, light commercial vehicles and industrial applications. 12 V or 24 V systems. Electrical connections are stud terminals.

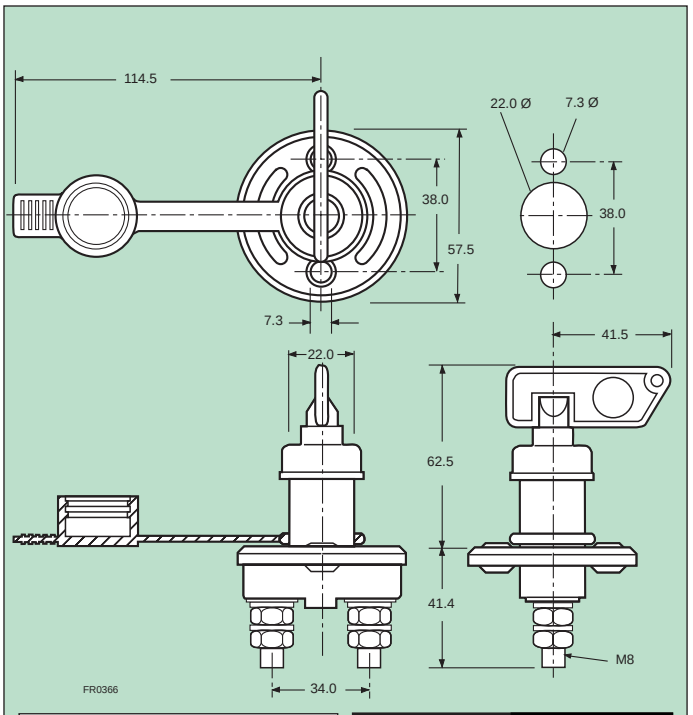


Circuit	1	2
'OFF'		
'ON'	▲	▲

Maximum current ratings	SSB106	
Voltage	12 V	24 V
Intermittent loads	1500 A	500 A
Continuous loads	150 A	100 A

ST360

Battery master switch
Rotary operated Battery Isolation Switch designed for panel or bulkhead mounting. Incorporates removable 'Flag Key' for added security, and is supplied complete with a splash cap.
Suitable for 12 V or 24 V passenger, commercial vehicles and marine applications. A replacement key can be ordered using part number SSB113.



Circuit	1	2
'OFF'		
'ON'	▲	▲

Maximum current ratings	SSB112	
Voltage		12/24 V
Intermittent loads	10 Secs	500 A
Continuous loads		100 A

ST330/ST350

Battery master switch

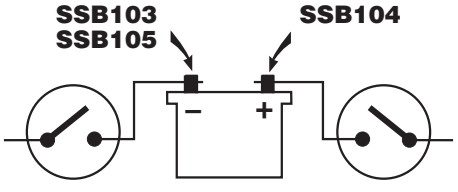
Knob operated rotary battery isolation switch. Panel or battery mounted. Suitable for cars, light commercial vehicle and light industrial applications. 12 V or 24 V systems.

Incorporates a small third terminal for connections to the low tension (LT) circuit, which prevents the vehicle from being started by towing or pushing, when the switch is in the 'OFF' position. Electrical connections are stud terminals.

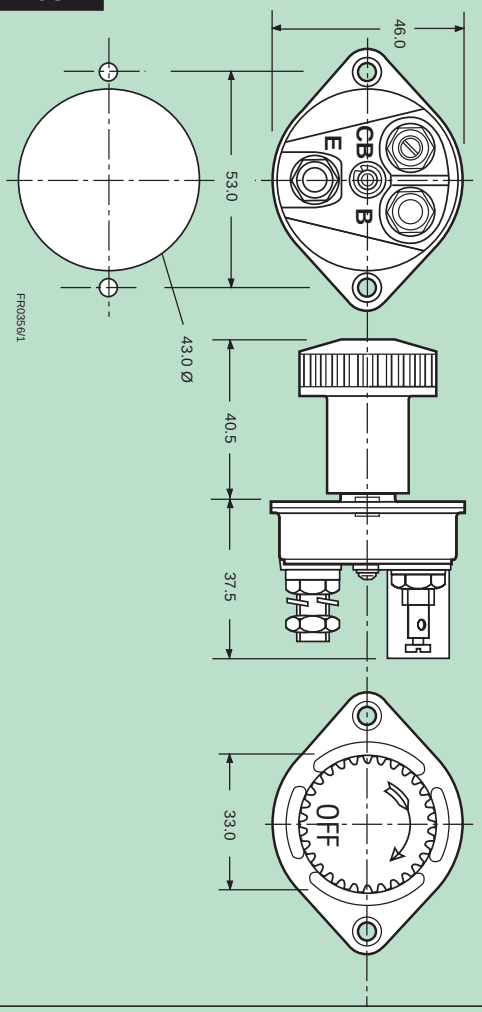
Maximum current ratings	SSB103		SSB104		SSB105	
Voltage	12 V	24 V	12 V	24 V	12 V	24 V
Intermittent loads-45 secs max	500 A	250 A	500 A	250 A	500 A	250 A
Continuous loads	150 A	75 A	150 A	75 A	150 A	75 A

SSB103 - ST330 '–' : Panel mounted negative terminal
SSB104 - ST350 '+' : Battery mounted positive terminal
SSB105 - ST350 '–' : Battery mounted negative terminal

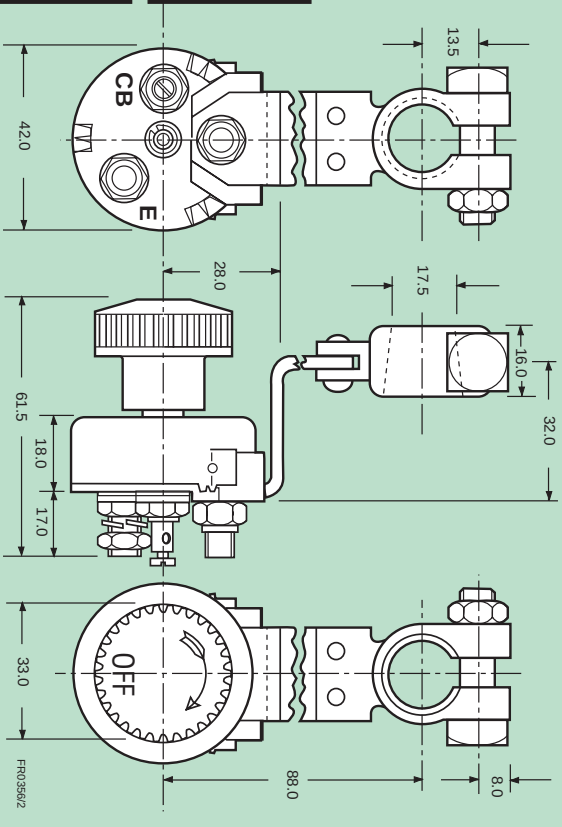
Ensure switch is connected to the correct battery terminal polarity



SSB103

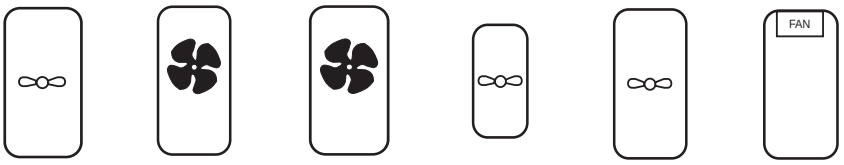


SSB104 **SSB105**



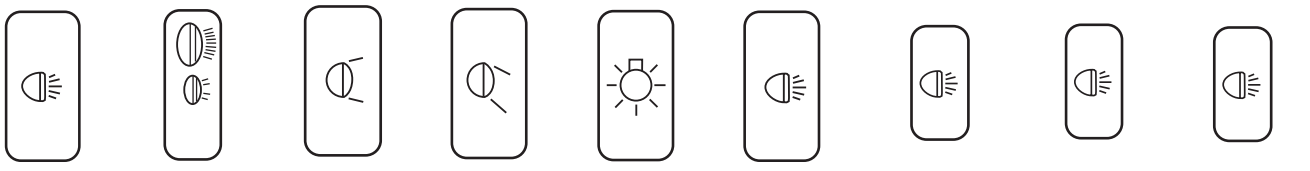
All dimensions are shown in millimetres unless stated otherwise.

159SA Rocker Switch Knob Symbols



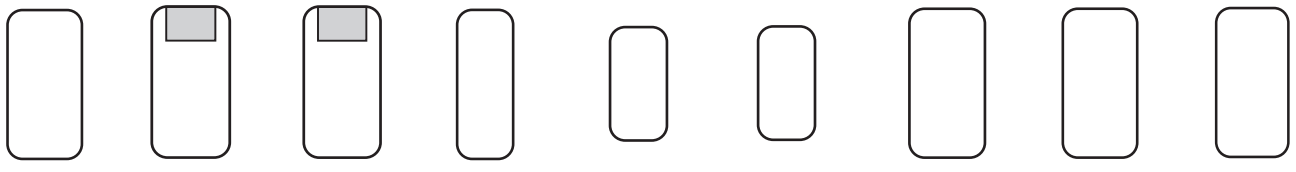
30952 33963 33988 39745 39739 39915

33816 33930 34245

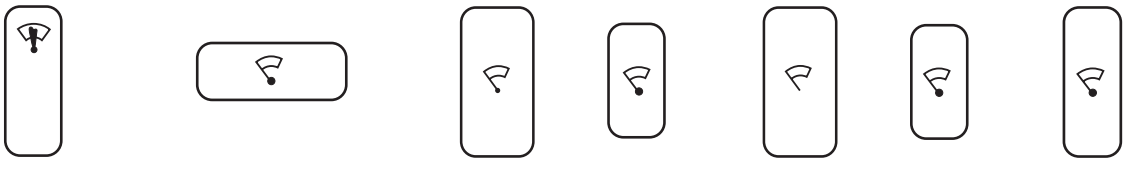


30377 30731 30875 30876 36546 39298 39314 39463 39737

39746 39914

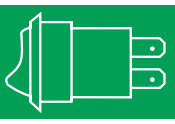


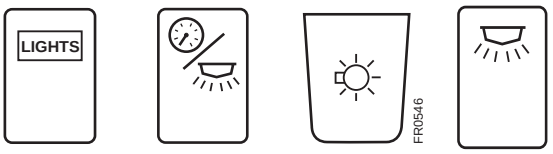
30593 30829 30990 33737 33847 39629 39823 39824 39831



30365 30434 39302 39315 39710 39736 39748

183SA Rocker Switch Knob Symbols



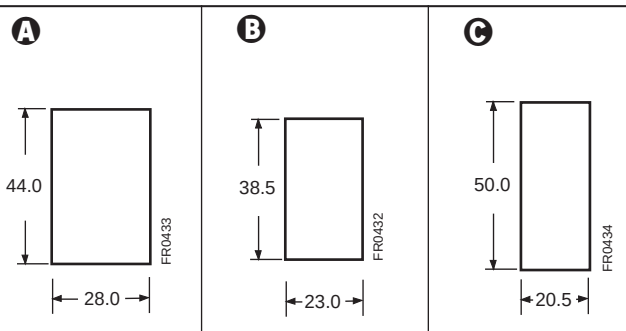


39980

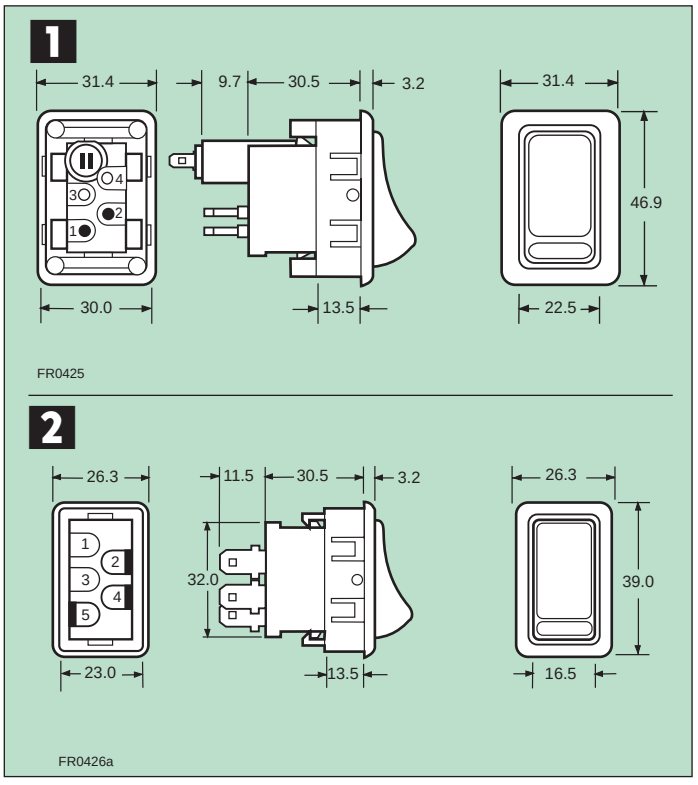
159SA

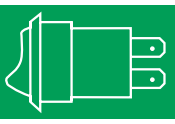
Panel mounted rocker switch.

Panel mounted rocker switch. Two or three position versions available. Electrical connections are Lucar terminals or 3 mm pins. Knobs with translucent windows are illuminated by a bulb in a holder which is either fitted into a chimney or clipped to the end of the nacelle.

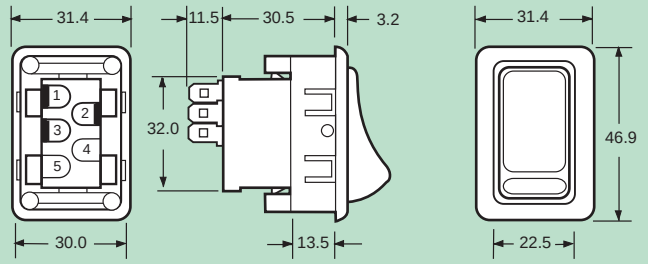


Current Rating				
	12 V		24 V	
Resistive Load	*26 A	17.5 A	*10 A	8 A
Inductive Load		5 A		3 A
* Heavy action				



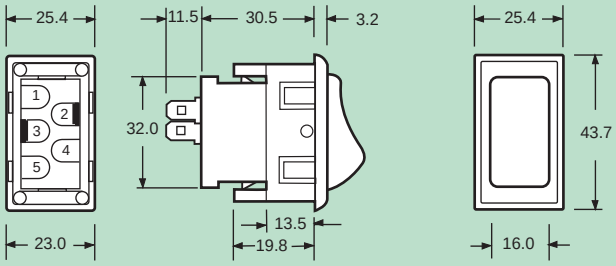


3



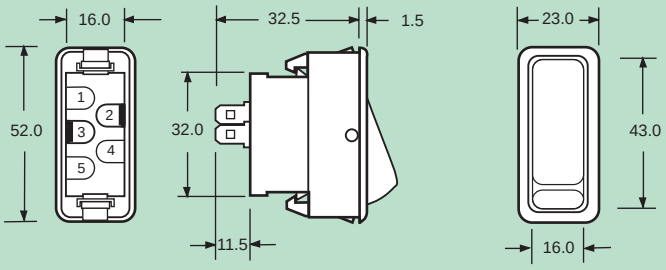
FR0427

4



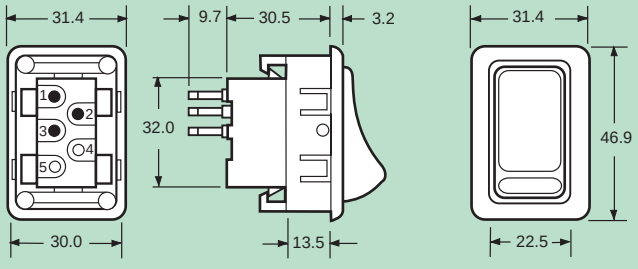
FR0428

5



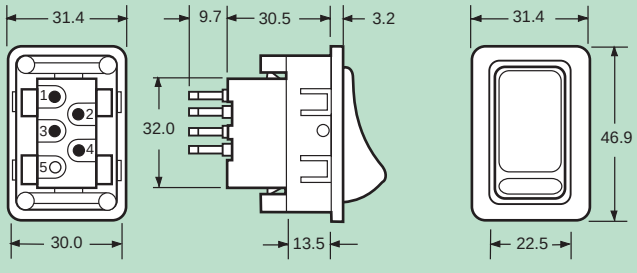
FR0429

6



FR0430

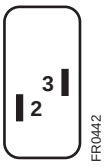
7



FR0431

30365 — 2 — 12 V / 24 V

Type	5
Function	WASH
Piercing =	C
Finish =	METALLISED
Illuminated =	–



FR0442

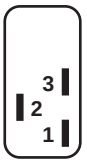
FR0485

Circuit	1	2	3	4	5
'1'					
'2'	⇧	▬	▬		

Max. panel thickness : 1.1 → 1.4 mm

30377 — 3 — 12 V / 24 V

Type	3
Function	LIGHTING
Piercing =	A
Finish =	BLACK
Illuminated =	–



FR0441

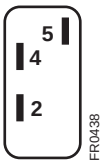
FR0449

Circuit	1	2	3	4	5
'1'					
'2'		▬	▬		
'3'	▬	▬	▬		

Max. panel thickness : 0.9 → 1.4 mm * HEAVY ACTION

30434 — 2 — 12 V / 24 V

Type	5
Function	WIPER
Piercing =	C
Finish =	BLACK
Illuminated =	–



FR0438

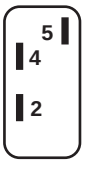
FR0486

Circuit	1	2	3	4	5
'1'				▬	▬
'2'		▬	▬	▬	

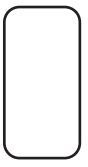
Max. panel thickness : 1.1 → 1.4 mm

30593 — 2 — 12 V / 24 V

Type	3
Function	–
Piercing =	A
Finish =	BLACK
Illuminated =	–



FR0438



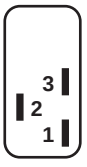
FR0450

Circuit	1	2	3	4	5
'1'				▬	▬
'2'		▬	▬	▬	

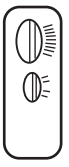
Max. panel thickness : 0.9 → 1.4 mm

30731 — 3 — 12 V / 24 V

Type	5
Function	LIGHTING
Piercing =	C
Finish =	BLACK
Illuminated =	–



FR0441



FR0487

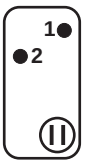
Circuit	1	2	3	4	5
'1'					
'2'		▬	▬		
'3'	▬	▬	▬		

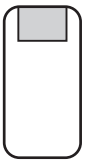
Max. panel thickness : 1.1 → 1.4 mm

159SA

30829 2 12 V

Type 1
Function –
Piercing = A
Finish = BLACK
Illuminated = AMBER





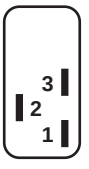
Circuit	1	2	3	4	5
'1'					
'2'	▲	▲			

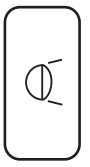
Max. panel thickness : 0.9 → 1.4 mm

24 V use bulb LLB508

30875 3 12 V 24 V

Type 3
Function LIGHTING
Piercing = A
Finish = BLACK
Illuminated = –



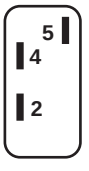


Circuit	1	2	3	4	5
'1'					
'2'		▲	▲		
'3'	▲	▲	▲		

Max. panel thickness : 0.9 → 1.4 mm

30876 2 12 V 24 V

Type 3
Function LIGHTING
Piercing = A
Finish = BLACK
Illuminated = –

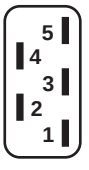


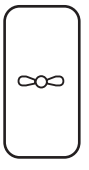
Circuit	1	2	3	4	5
'1'				▲	▲
'2'		▲	▲	▲	

Max. panel thickness : 0.9 → 1.4 mm

30952 3 12 V 24 V

Type 3
Function FAN
Piercing = A
Finish = BLACK
Illuminated = –



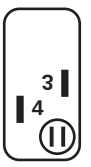


Circuit	1	2	3	4	5
'1'			▲	▲	▲
'2'		▲	▲	▲	
'3'	▲	▲	▲		

Max. panel thickness : 0.9 → 1.4 mm

30990 2 12 V

Type 1
Function –
Piercing = A
Finish = METALLISED
Illuminated = AMBER



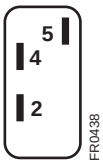
Circuit	1	2	3	4	5
'1'					
'2'			▲	▲	

Max. panel thickness : 0.9 → 1.4 mm

24 V use bulb LLB508

33737 2 12 V 24 V

Type 5
Function –
Piercing = C
Finish = METALLISED
Illuminated = –

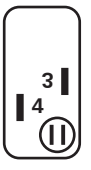


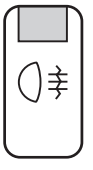
Circuit	1	2	3	4	5
'1'				▲	▲
'2'		▲	▲	▲	

Max. panel thickness : 1.1 → 1.4 mm

33816 2 12 V

Type 1
Function FOG
Piercing = A
Finish = BLACK
Illuminated = AMBER





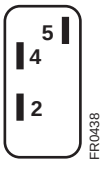
Circuit	1	2	3	4	5
'1'					
'2'			▲	▲	

Max. panel thickness : 0.9 → 1.4 mm

24 V use bulb LLB508

33847 2 12 V 24 V

Type 3
Function –
Piercing = A
Finish = BLACK
Illuminated = –

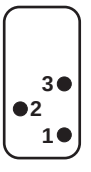


Circuit	1	2	3	4	5
'1'				▲	▲
'2' ⇧		▲	▲	▲	

Max. panel thickness : 0.9 → 1.4 mm

33963 3 12 V 24 V

Type 7
Function FAN
Piercing = A
Finish = BLACK
Illuminated = –

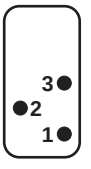


Circuit	1	2	3	4	5
'1'					
'2'		▲	▲		
'3'		▲	▲	▲	

Max. panel thickness : 0.9 → 1.4 mm

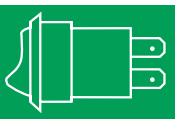
33988 3 12 V 24 V

Type 6
Function FAN
Piercing = A
Finish = BLACK
Illuminated = –



Circuit	1	2	3	4	5
'1'					
'2'		▲	▲		
'3'		▲	▲	▲	

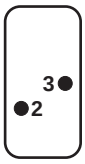
Max. panel thickness : 0.9 → 1.4 mm



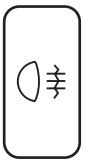
34245 2

12 V 24 V

Type 7
Function FOG
Piercing = A
Finish = BLACK
Illuminated = –



FR0445


FR0461

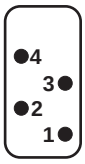
Circuit	1	2	3	4	5
'1'					
'2'		▲	▲		

Max. panel thickness : 2.0 → 2.5 mm

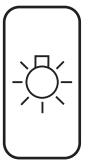
36546 3

12 V 24 V

Type 7
Function LIGHTING
Piercing = A
Finish = BLACK
Illuminated = –



FR0443


FR0462

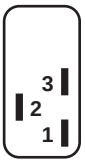
Circuit	1	2	3	4	5
'1'			▲	▲	
'2'		▲	▲	▲	
'3'	▲	▲	▲		

Max. panel thickness : 2.0 → 2.5 mm

39298 3

12 V 24 V

Type 3
Function LIGHTING
Piercing = A
Finish = METALLISED
Illuminated = –



FR0441


FR0463

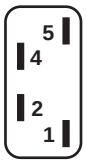
Circuit	1	2	3	4	5
'1'					
'2'		▲	▲		
'3'	▲	▲	▲		

Max. panel thickness : 0.9 → 1.4 mm

39302 3

12 V 24 V

Type 3
Function WIPER
Piercing = A
Finish = METALLISED
Illuminated = –



FR0437


FR0464

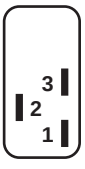
Circuit	1	2	3	4	5
'1'				▲	
'2'		▲	▲	▲	
'3'	▲	▲			

Max. panel thickness : 0.9 → 1.4 mm

39314 3

12 V 24 V

Type 2
Function LIGHTING
Piercing = B
Finish = BLACK
Illuminated = –



FR0441


FR0476

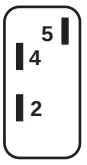
Circuit	1	2	3	4	5
'1'					
'2'		▲	▲		
'3'	▲	▲	▲		

Max. panel thickness : 0.7 → 0.9 mm

39315 2

12 V 24 V

Type 2
Function WIPER
Piercing = B
Finish = BLACK
Illuminated = –



FR0438


FR0477

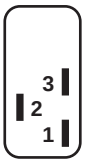
Circuit	1	2	3	4	5
'1'				▲	▲
'2'		▲	▲	▲	

Max. panel thickness : 0.7 → 0.9 mm

39463 3

12 V 24 V

Type 2
Function LIGHTING
Piercing = B
Finish = BLACK
Illuminated = –



FR0441


FR0478

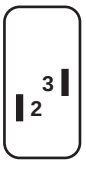
Circuit	1	2	3	4	5
'1'					
'2'		▲	▲		
'3'		▲	▲		

Max. panel thickness : 0.7 → 0.9 mm

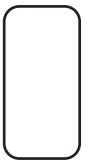
39629 2

12 V 24 V

Type 3
Function –
Piercing = A
Finish = METALLISED
Illuminated = –



FR0442


FR0465

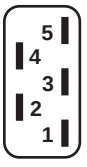
Circuit	1	2	3	4	5
'1'					
'2'		▲	▲		

Max. panel thickness : 0.9 → 1.4 mm

39710 3

12 V 24 V

Type 3
Function WIPER
Piercing = A
Finish = BLACK
Illuminated = –



FR0435


FR0466

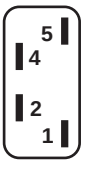
Circuit	1	2	3	4	5
'1'			▲	▲	
'2'		▲	▲	▲	
'3'	▲	▲	▲		

Max. panel thickness : 0.9 → 1.4 mm

39736 3

12 V 24 V

Type 2
Function WIPER
Piercing = B
Finish = BLACK
Illuminated = –



FR0437


FR0479

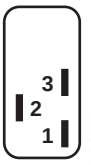
Circuit	1	2	3	4	5
'1'				▲	
'2'		▲	▲		
'3'	▲	▲			

Max. panel thickness : 0.9 → 1.8 mm

159SA

39737 3 12 V 24 V

Type 2
Function LIGHTING
Piercing = B
Finish = BLACK
Illuminated = –



FR0441

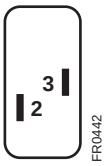

FR0480

Circuit	1	2	3	4	5
'1'					
'2'		▲	▲		
'3'	▲	▲	▲		

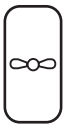
Max. panel thickness : 0.9 → 1.8 mm

39739 2 12 V 24 V

Type 2
Function FAN
Piercing = B
Finish = BLACK
Illuminated = –



FR0442

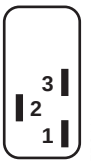

FR0481

Circuit	1	2	3	4	5
'1'					
'2'		▲	▲		

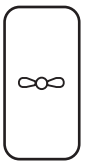
Max. panel thickness : 0.9 → 1.8 mm

39745 3 12 V 24 V

Type 3
Function FAN
Piercing = A
Finish = METALLISED
Illuminated = –



FR0441

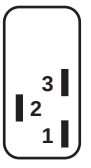

FR0467

Circuit	1	2	3	4	5
'1'					
'2'		▲	▲		
'3'	▲	▲	▲		

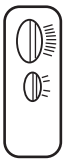
Max. panel thickness : 0.9 → 1.4 mm

39746 3 12 V 24 V

Type 5
Function LIGHTING
Piercing = C
Finish = METALLISED
Illuminated = –



FR0441


FR0489

Circuit	1	2	3	4	5
'1'					
'2'		▲	▲		
'3'	▲	▲	▲		

Max. panel thickness : 1.12 → 1.37 mm

39748 3 12 V

Type 5
Function WIPER
Piercing = C
Finish = METALLISED
Illuminated = –

FR0437

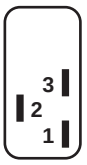

FR0490

Circuit	1	2	3	4	5
'1'				▲	▲
'2'		▲	▲	▲	
'3'	▲	▲			

Max. panel thickness : 1.12 → 1.37 mm 24 V use bulb LLB508

39823 3 12 V 24 V

Type 3
Function –
Piercing = A
Finish = BLACK
Illuminated = –



FR0441

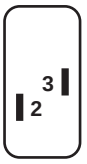

FR0470

Circuit	1	2	3	4	5
'1'					
'2'		▲	▲		
'3'	▲	▲	▲		

Max. panel thickness : 0.9 > 1.4 mm

39824 2 12 V 24 V

Type 3
Function –
Piercing = A
Finish = BLACK
Illuminated = –



FR0442

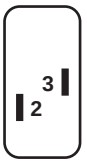

FR0471

Circuit	1	2	3	4	5
'1'					
'2'		▲	▲		

Max. panel thickness : 0.9 → 1.4 mm

39831 2 12 V 24 V

Type 2
Function –
Piercing = B
Finish = BLACK
Illuminated = –



FR0442

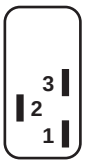

FR0484

Circuit	1	2	3	4	5
'1'					
'2'		▲	▲		

Max. panel thickness : 0.7 → 0.8 mm

39914 3 12 V 24 V

Type 3
Function LIGHTING
Piercing = A
Finish = METALLISED
Illuminated = –



FR0441

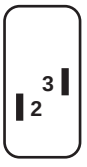
FR0472

Circuit	1	2	3	4	5
'1'					
'2'		▲	▲		
'3'	▲	▲	▲		

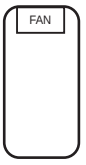
Max. panel thickness : 0.9 → 1.4 mm

39915 2 12 V 24 V

Type 3
Function FAN
Piercing = A
Finish = METALLISED
Illuminated = –



FR0442



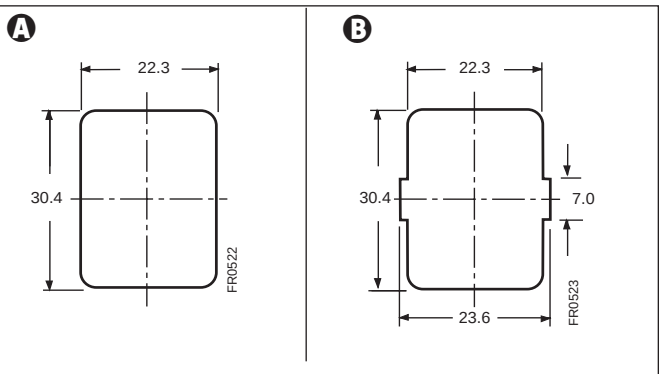
FR0473

Circuit	1	2	3	4	5
'1'					
'2'		▲	▲		

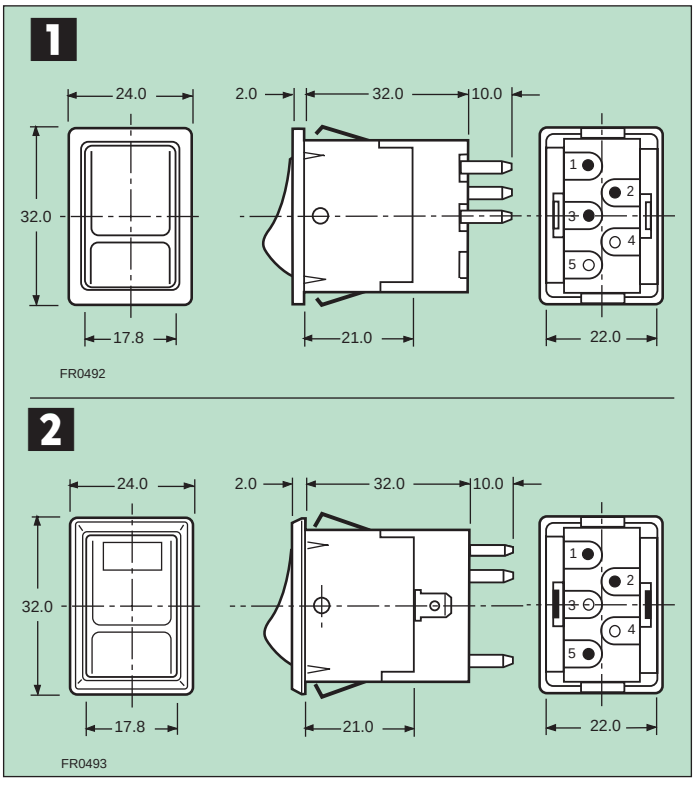
Max. panel thickness : 0.9 → 1.4 mm

183SA

Panel mounted miniature rocker switch.
Panel mounted miniature rocker switch. Suitable for cars and commercial vehicles. Electrical connections are Lucar terminals or 3 mm pins. Knobs with translucent windows are illuminated by a bulb built into the switch action.

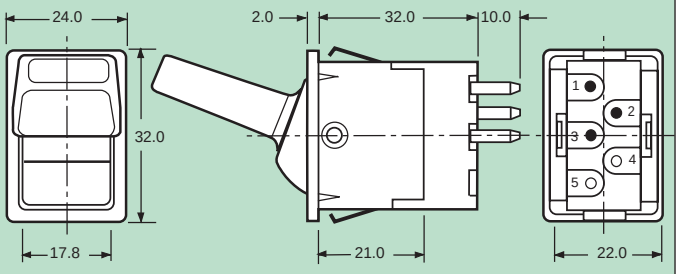


Current Rating	
	12 V
Resistive Load	20 A
Inductive Load	7 A



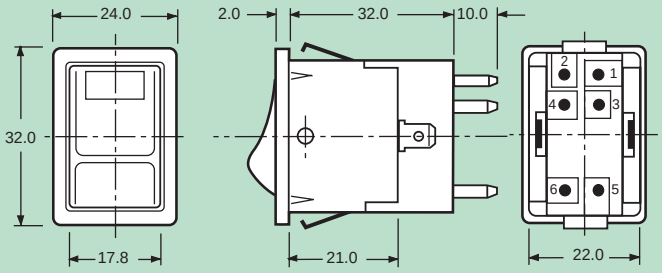
183SA

3



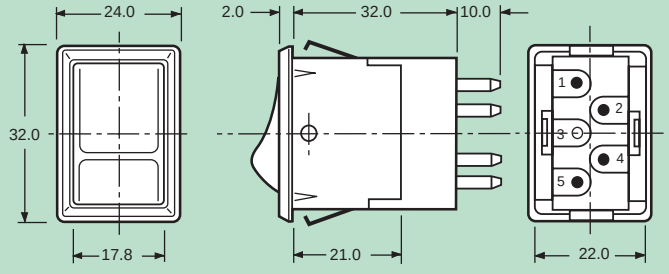
FR0494

4



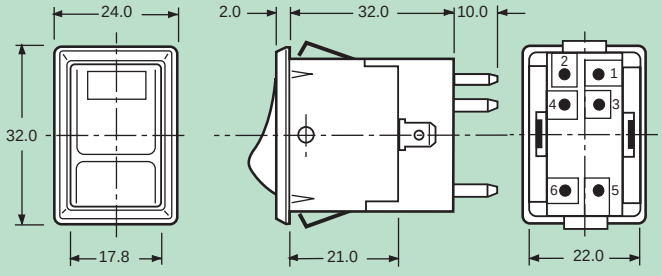
FR0495

5



FR0496

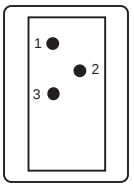
6



FR0497

30452 3  12 V

Type	1
Function	LIGHTING
Piercing =	A
Finish =	BLACK
Illuminated =	–



FR0498

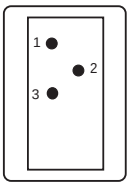
FR0524

Circuit	1	2	3	4	5
'1'					
'2'		▲	▲		
'3'	▲	▲	▲		

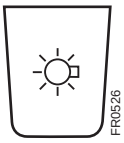
Max. panel thickness : 2.5 → 2.6 mm

30713 3  12 V

Type	3
Function	LIGHTING
Piercing =	B
Finish =	BLACK
Illuminated =	–



FR0500



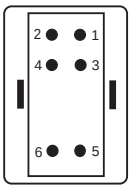
FR0526

Circuit	1	2	3	4	5
'1'					
'2'		▲	▲		
'3'	▲	▲	▲		

Max. panel thickness : 2.4 → 2.6 mm

30771 2  12 V

Type	4
Function	HAZARD
Piercing =	A
Finish =	BLACK
Illuminated =	GREEN



FR0501

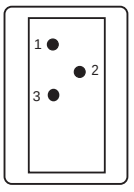
FR0527

Circuit	1	2	3	4	5	6
'1'						
'2'	▲	▲	▲	▲		

Max. panel thickness : 0.6 → 0.8 mm

30924 3  12 V

Type	3
Function	LIGHTING
Piercing =	B
Finish =	BLACK
Illuminated =	–



FR0502

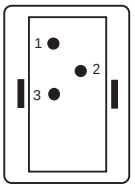
FR0528

Circuit	1	2	3	4	5
'1'					
'2'		▲	▲		
'3'	▲	▲	▲		

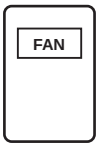
Max. panel thickness : 2.4 → 2.6 mm

30926 3  12 V

Type	2
Function	FAN
Piercing =	A
Finish =	BLACK
Illuminated =	GREEN



FR0504



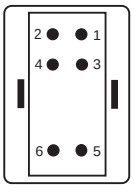
FR0530

Circuit	1	2	3	4	5
'1'					
'2'		▲	▲		
'3'	▲	▲	▲		

Max. panel thickness : 4.3 → 4.6 mm

30927 2  12 V

Type	6
Function	HAZARD
Piercing =	A
Finish =	BLACK
Illuminated =	GREEN

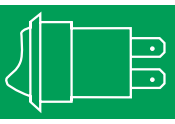


FR0505

FR0531

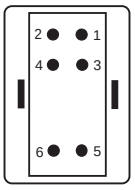
Circuit	1	2	3	4	5	6
'1'						
'2'	▲	▲	▲	▲		

Max. panel thickness : 4.3 → 4.6 mm



30928 2 12 V

Type	6
Function	HAZARD
Piercing =	A
Finish =	BLACK
Illuminated =	GREEN



FR0506

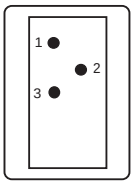
FR0532

Circuit	1	2	3	4	5	6
'1'					▲	▲
'2'	▲	▲	▲	▲		

Max. panel thickness : 4.3 → 4.6 mm

30935 3 12 V

Type	1
Function	LIGHTING
Piercing =	A
Finish =	BLACK
Illuminated =	–



FR0507

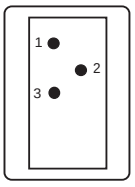

FR0533

Circuit	1	2	3	4	5
'1'					
'2'		▲	▲		
'3'	▲	▲	▲		

Max. panel thickness : 0.6 → 0.8 mm

30949 3 12 V

Type	3
Function	LIGHTING
Piercing =	B
Finish =	BLACK
Illuminated =	–



FR0507

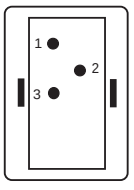

FR0534

Circuit	1	2	3	4	5
'1'					
'2'		▲	▲		
'3'	▲	▲	▲		

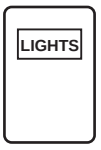
Max. panel thickness : 2.4 → 2.6 mm

30992 3 12 V

Type	2
Function	LIGHTING
Piercing =	A
Finish =	BLACK
Illuminated =	GREEN



FR0509



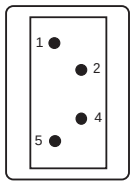
FR0535

Circuit	1	2	3	4	5
'1'					
'2'		▲	▲		
'3'	▲	▲	▲		

Max. panel thickness : 2.4 → 2.6 mm

35283 3 12 V

Type	5
Function	INTERIOR LIGHT
Piercing =	A
Finish =	BLACK
Illuminated =	–



FR0513

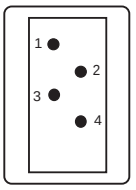

FR0539

Circuit	1	2	3	4	5
'1'				▲	▲
'2'		▲	▲	▲	
'3'	▲	▲			

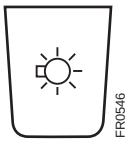
Max. panel thickness : 1.2 → 1.5 mm

36565 3 12 V 24 V

Type	3
Function	LIGHTING
Piercing =	B
Finish =	BLACK
Illuminated =	–



FR0520

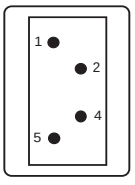

FR0546

Circuit	1	2	3	4	5
'1'				▲	▲
'2'		▲	▲	▲	
'3'	▲	▲	▲		

Max. panel thickness : 2.4 → 2.6 mm

36642 3 12 V

Type	5
Function	INTERIOR LIGHT
Piercing =	A
Finish =	BLACK
Illuminated =	–



FR0513A

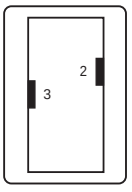

FR0539A

Circuit	1	2	3	4	5
'1'				▲	▲
'2'		▲	▲	▲	
'3'	▲	▲			

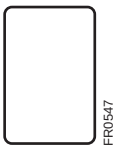
Max. panel thickness : 1.2 → 1.5 mm

39980 2 12 V

Type	1
Function	–
Piercing =	A
Finish =	BLACK
Illuminated =	–



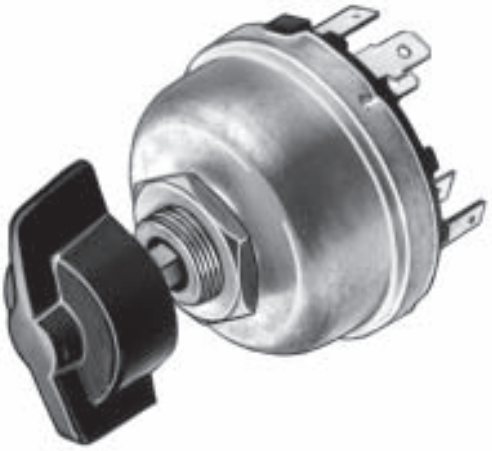
FR0521


FR0547

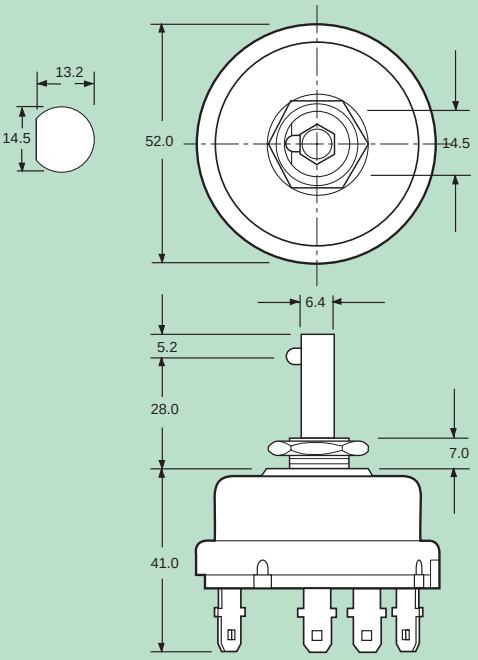
Circuit	1	2	3	4	5
'1'					
'2'		▲	▲		

Max. panel thickness : 1.2 → 1.3 mm

16SA



1

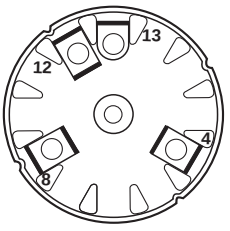


Rotary switch

A 4 or 6 position rotary operated lighting switch. Suitable for 12 V or 24 V applications. Supplied with or without knob. Splash proofed by an internal rubber sealing ring. Electrical connections are made via Lucar blade terminals.

34952 — 4 positions — 12 V / 24 V

Type	1
Function	LIGHTING
Finish	STANDARD
Illuminated	–
Knob	A B
Max. panel thickness :	3.0 mm

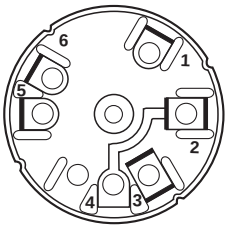


FR0608

Circuit	4 SIDE/ TAIL/ PANEL	8 FEED	12 MAIN BEAM	13 DIP
1				
2	▲	▲		
3	▲	▲		▲
4	▲	▲	▲	
Max. current 12 V/24 V		4/2 A	20/5 A	20/5 A

35698 — 6 positions — 12 V / 24 V

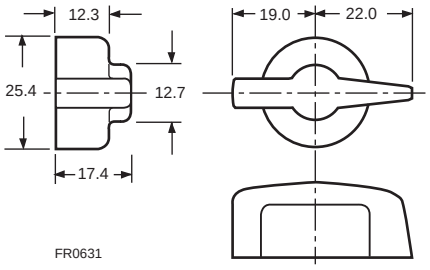
Type	1
Function	LIGHTING
Finish	STANDARD
Illuminated	–
Knob	A B
Max. panel thickness :	3.0 mm



FR0607

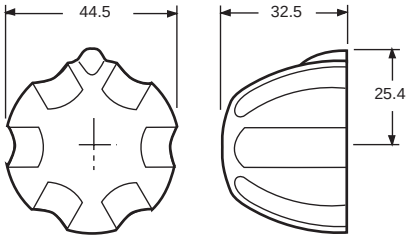
Circuit	1 WORK LIGHT	2 FEED	3 SIDE/ TAIL/ PANEL	5 MAIN BEAM	6 DIP
1					
2		▲	▲		
3		▲	▲		▲
4		▲	▲	▲	
5	▲	▲		▲	
6	▲	▲			
Max. current 12 V/24 V		4/2 A	4/2 A	20/5 A	20/5 A

54340037



FR0631

54331311



FR0632

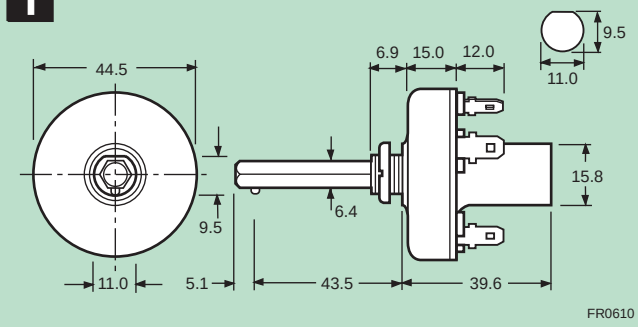
A Order knob seperately using part number 54340037

B Order knob seperately using part number 54331311

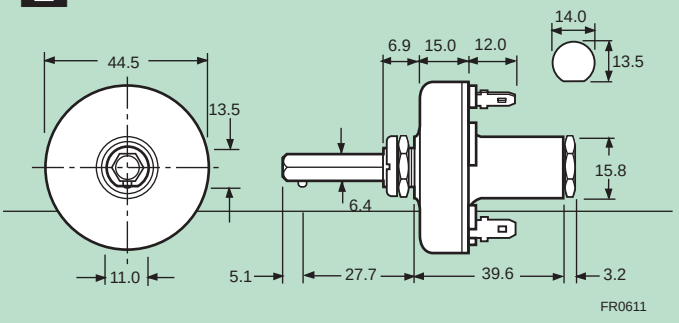
Rotary switch

A 2 or 3 position rotary operated wiper switch. For 12 V applications only. Supplied without knob. Available with a 'wash' facility which is engaged by depressing the switch knob. Electrical connections are made via Lucar blade terminals.

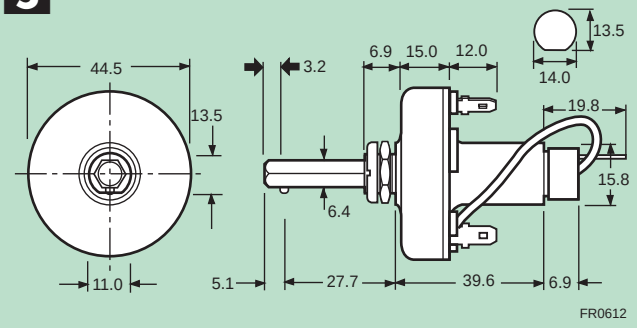
1



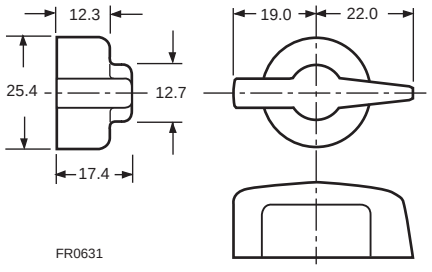
2



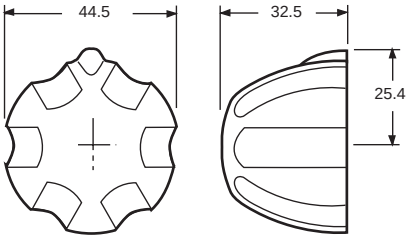
3



54340037



54331311

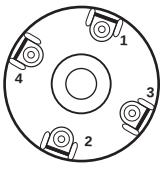


[A] Order knob seperately using part number 54340037

[B] Order knob seperately using part number 54331311

39125 3 ↷ 12 V

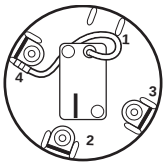
Type	1
Function	WIPERS
Finish	STANDARD
Knob	A B



Circuit	1 FAST WIPE	2 SLOW WIPE	3 LIMIT SWITCH	4 FEED
1				
2		▲		▲
3	▲			▲
Max. current 12 V	4 A	4 A		

SQB967 2 ↷ 12 V

Type	3
Function	WIPERS
Finish	STANDARD
Knob	A B



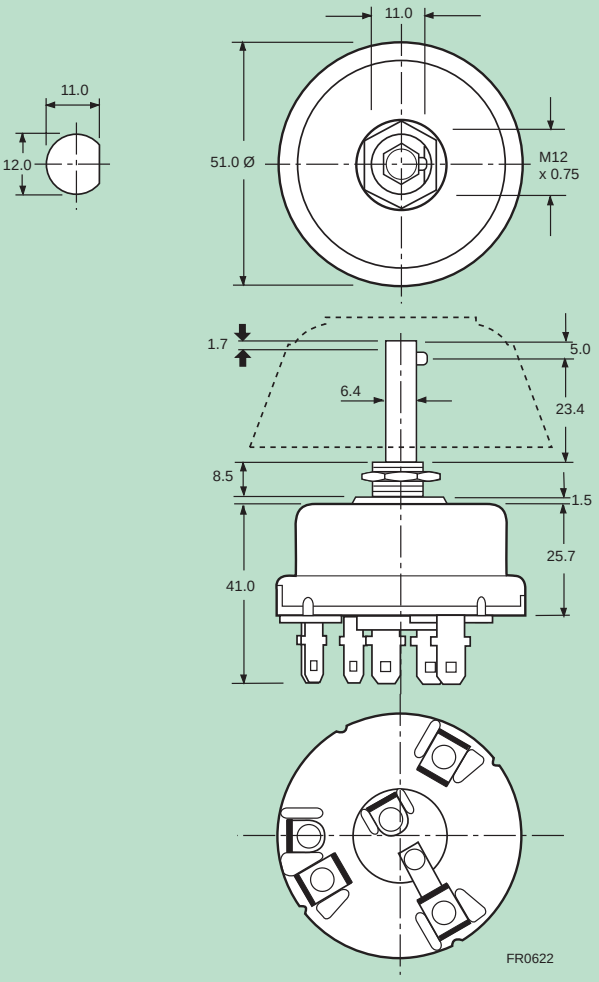
Circuit	2 WIPER	3 LIMIT SWITCH	4 FEED
1			
2	▲		▲
➡ ⬅	"PUSH KNOB FOR WASH"		
Max. current 12 V	4 A	4 A	

199SA

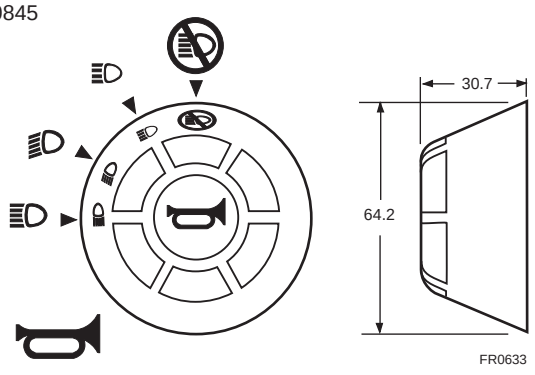
Rotary switch

A 3 or 4 position rotary operated Lighting switch. Suitable for 12 V or 24 V applications. Supplied without knob. Available with a 'Horn' facility which is sounded by depressing the switch knob. Electrical connections are made via Lucar blade terminals.

33714



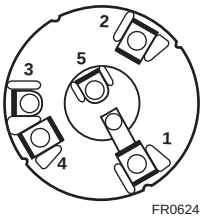
54310845



- FEED
- SIDE/TAIL/PANEL
- DIP
- MAIN BEAM
- HORN

33714 4 ↷ 12 V 24 V

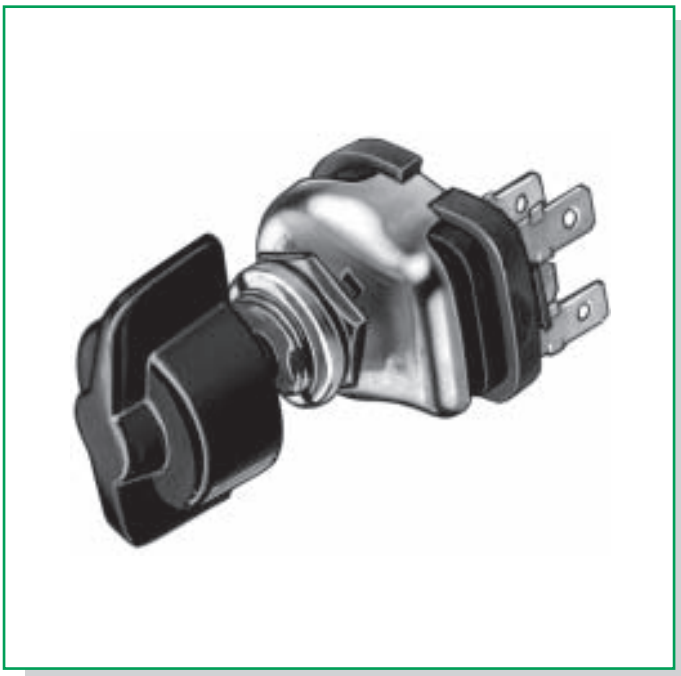
Function	LIGHTING
Finish	STANDARD
Knob	D
Illuminated	–



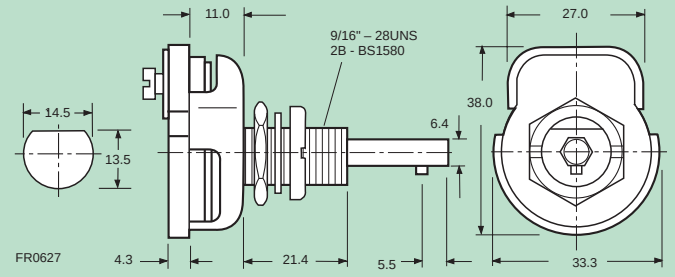
Circuit	1 FEED	2 SIDE/TAIL /PANEL	3 DIP	4 MAIN BEAM	5 HORN
1					
2	▲	▲			
3	▲	▲	▲		
4	▲	▲		▲	

➡ ⬅ "PUSH KNOB FOR HORN"

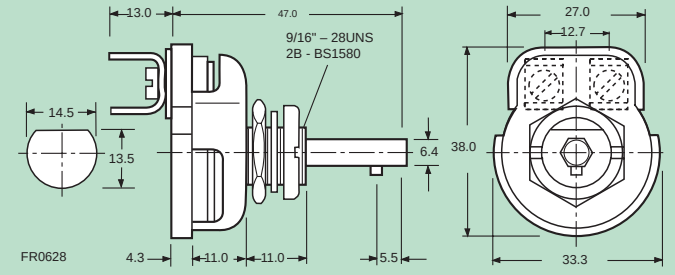
Max. current 12 V/24 V	4/2 A	20/5 A	20/5 A	4/2 A



78353



78405

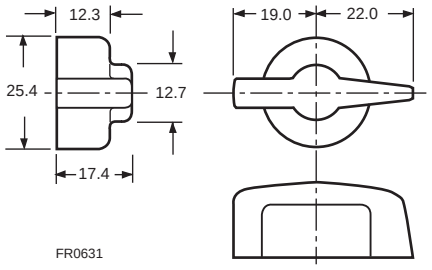


Rheostats

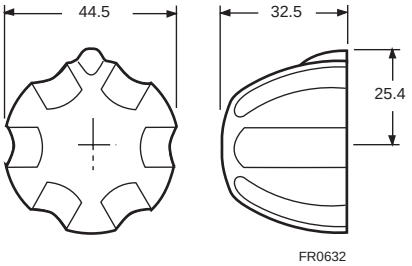
Panel mounted, rotary action, variable resistance switch. Used for dimming panel lights or to control motor speeds. Supplied without knob. Resistive values vary according to the current load to be controlled, together with the amount of panel dimming or motor speed control required. Electrical connections are made via Lucar blade terminals.

	FINISH	DIRECTION OF ROTATION	KNOB	VOLTAGE	RESISTANCE
78353	STANDARD	↷	A B	12 V 24 V	0 → 25 Ω
78405	STANDARD	↷	A B	12 V 24 V	0 → 12.5 Ω

54340037



54331311



A Order knob seperately using part number 54340037

B Order knob seperately using part number 54331311

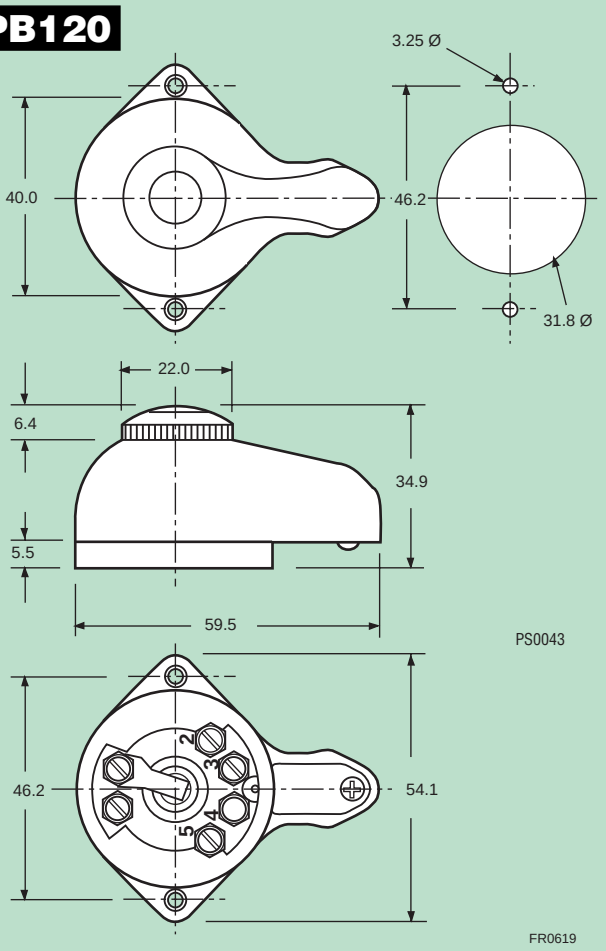
All dimensions are shown in millimetres unless stated otherwise.

SD84

Rotary switches various

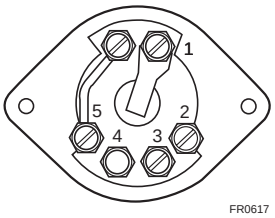
Robust, heavy duty, 3 position rotary switches for general use. Electrical connection is made via brass screw terminals. Illuminates in required positions.

SPB120



SPB120 3 ↷ 12 V

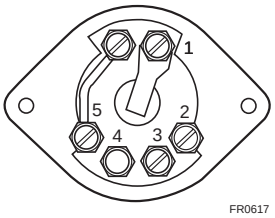
Finish	WHITE
Illuminated	RED



Circuit	1	2	3	4	5
1			▲	▲	▲
2			▲	▲	
3	▲	▲	▲		

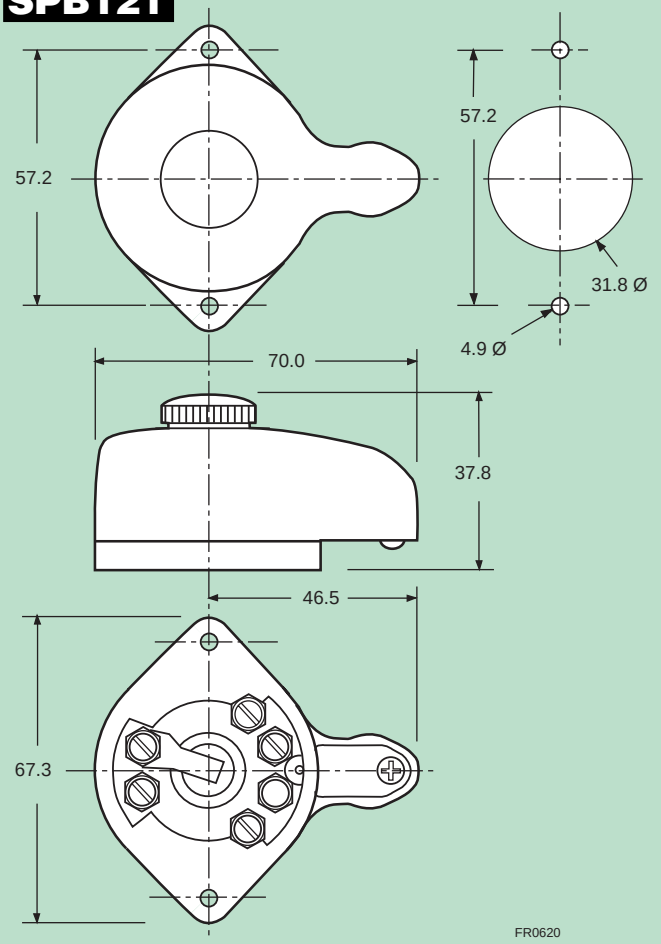
SPB121 3 ↷ 24 V

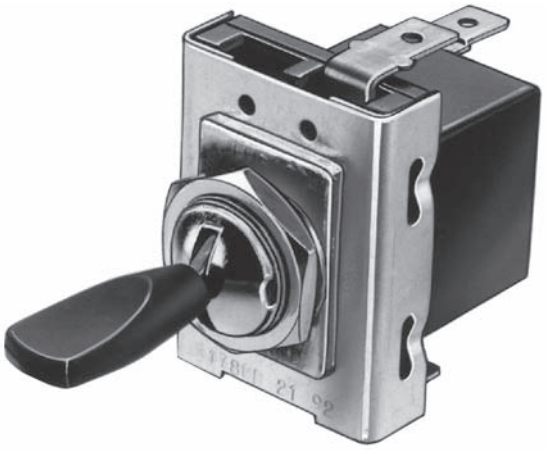
Finish	BLACK
Illuminated	RED



Circuit	1	2	3	4	5
1			▲	▲	▲
2			▲	▲	
3	▲	▲	▲		

SPB121



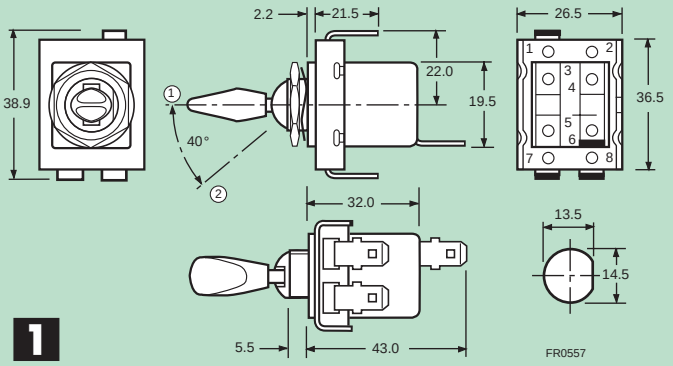


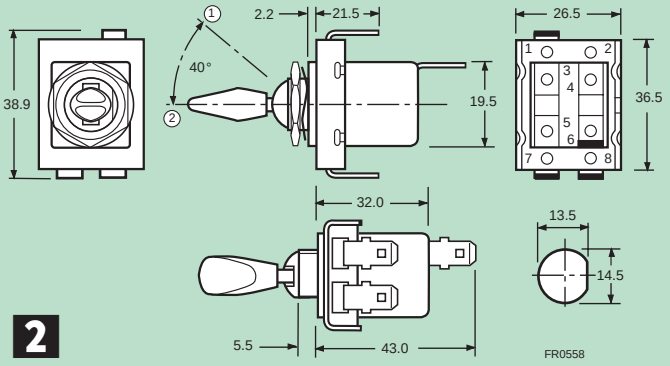
Lever switch

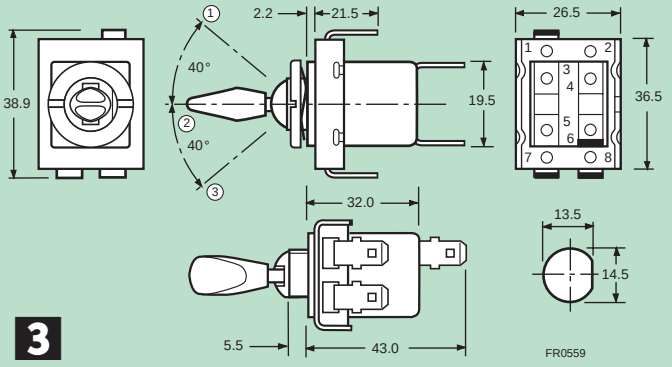
A 2 or 3 position lever panel switch. Available with a spring return action. The multi-terminal design will accommodate 2 independent circuits. Suitable for 12 V or 24 V applications. Electrical connections are made via Lucar blade terminals.

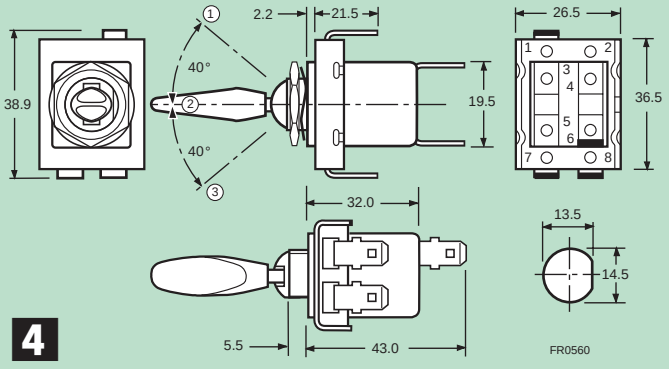
Current Rating

	12 V	24 V
Resistive Load	10 A	4 A
Inductive Load	5 A	2A







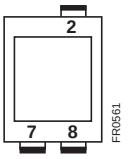


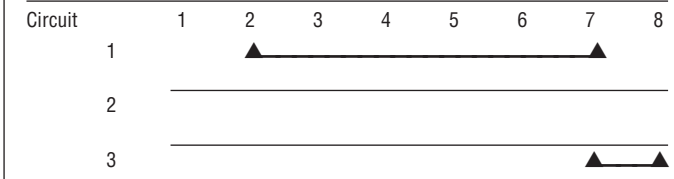
57SA

31743

3 | 12 V | 24 V

Type 4
Finish –
Illuminated –
Max. panel thickness : 3.1 mm

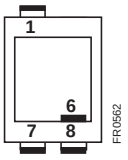


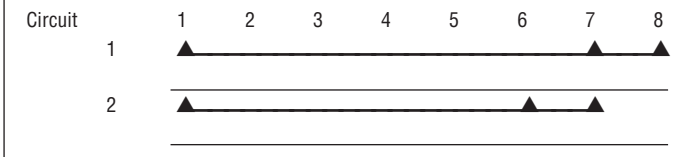


31780

2 | 12 V | 24 V

Type 1
Finish –
Illuminated –
Max. panel thickness : 3.1 mm

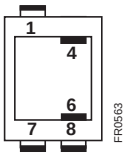


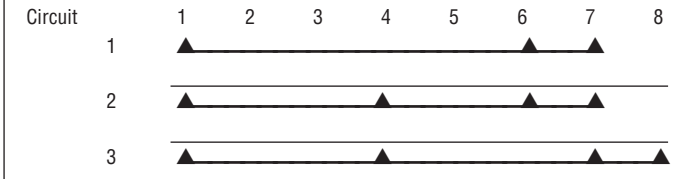


31788

3 | 12 V | 24 V

Type 3
Finish –
Illuminated –
Max. panel thickness : 2.6 mm

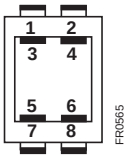


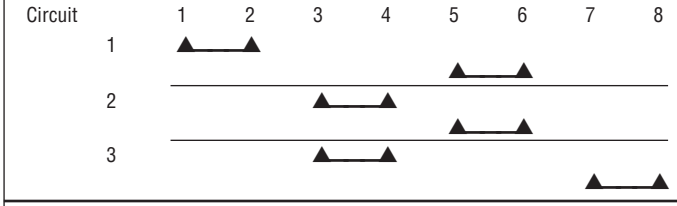


34419

3 | 12 V | 24 V

Type 3
Finish –
Illuminated –
Max. panel thickness : 2.6 mm

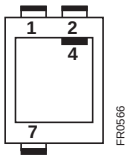


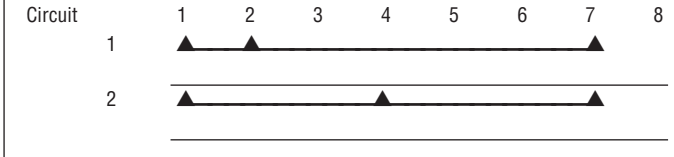


34426

2 | 12 V | 24 V

Type 2
Finish –
Illuminated –
Max. panel thickness : 3.1 mm

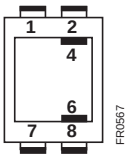


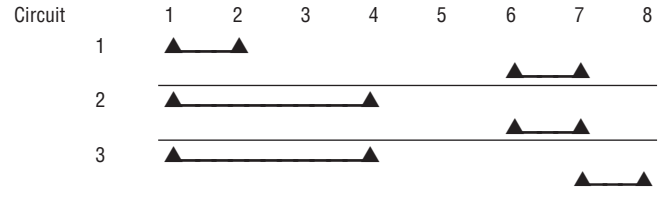


34734

3 | 12 V | 24 V

Type 3
Finish –
Illuminated –
Max. panel thickness : 2.6 mm

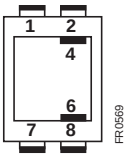


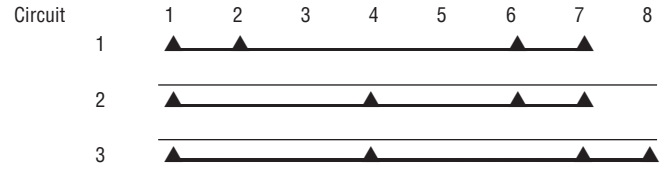


35927

3 | 12 V | 24 V

Type 3
Finish –
Illuminated –
Max. panel thickness : 2.6 mm

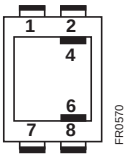


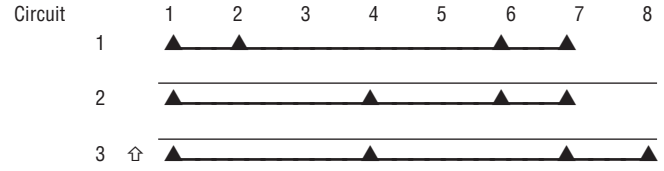


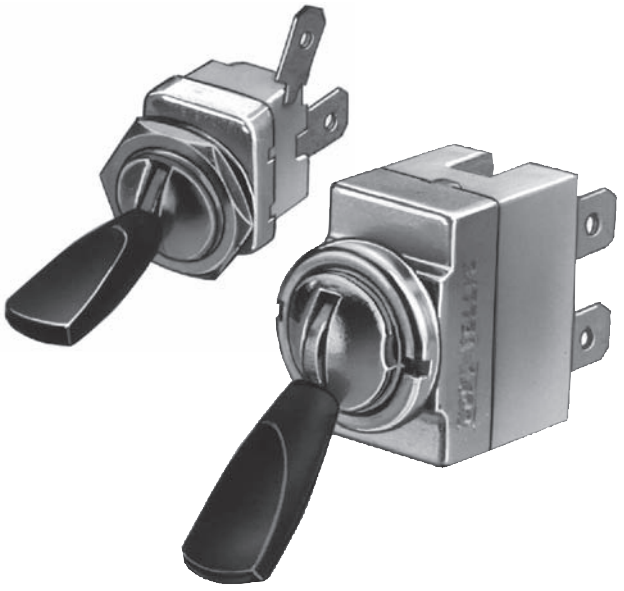
35940

3 | 12 V | 24 V

Type 3
Finish –
Illuminated –
Max. panel thickness : 2.6 mm







Lever switches various

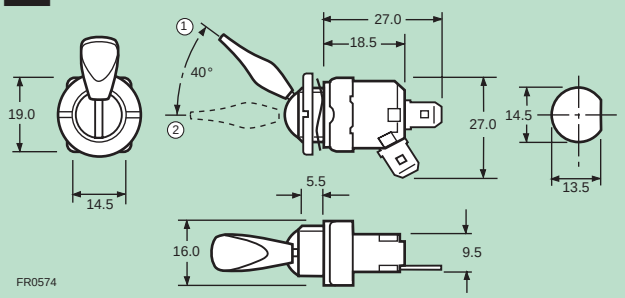
A range of simple 2 position 'ON-OFF' lever panel switches. Available with a spring return action. Suitable for 12 V or 24 V applications. Electrical connections are made via Lucar blade terminals.

Current Rating

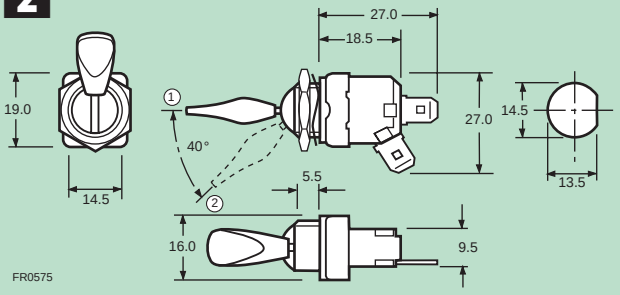
	12 V		24 V
Resistive Load	*5 A	18 A	8 A
Inductive Load	*2.5 A	5 A	2A

* Applies to part numbers SPB200, SPB203, SPB204 which are 12 V only.

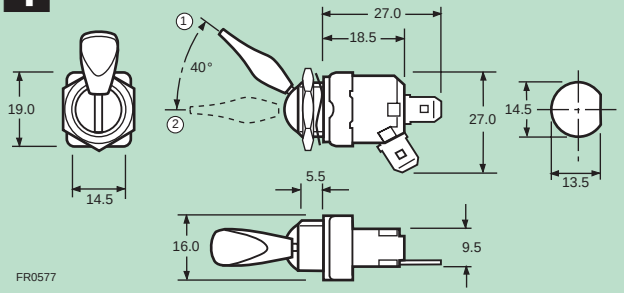
1



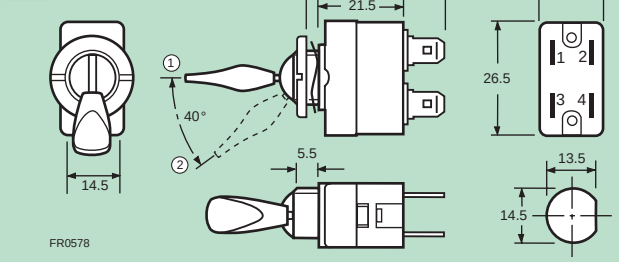
2



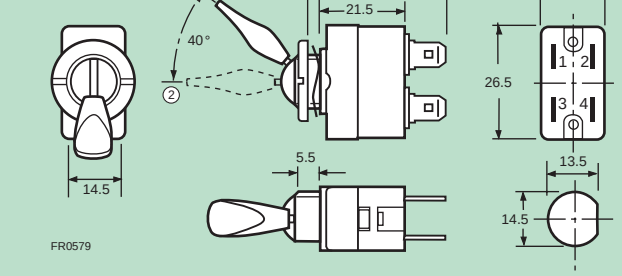
4



5



6



SPB200

2 | 12 V | 24 V

Type 1

Finish –

Max. panel thickness : 2.0 mm

Circuit	1	2
1		
2	▲	▲

SPB203

2 | 12 V | 24 V

Type 2

Finish –

Max. panel thickness : 2.0 mm

Circuit	1	2
1		
2	▲	▲

SPB204

2 | 12 V | 24 V

Type 4

Finish –

Max. panel thickness : 2.2 mm

Circuit	1	2
1		
2	⇧	▲

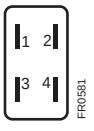
34775

2 | 12 V | 24 V

Type 5

Finish –

Max. panel thickness : 2.2 mm



Circuit	1	2	3	4
1	▲	▲	▲	
2	▲	▲	▲	▲

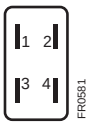
34889

2 | 12 V | 24 V

Type 6

Finish –

Max. panel thickness : 2.2 mm

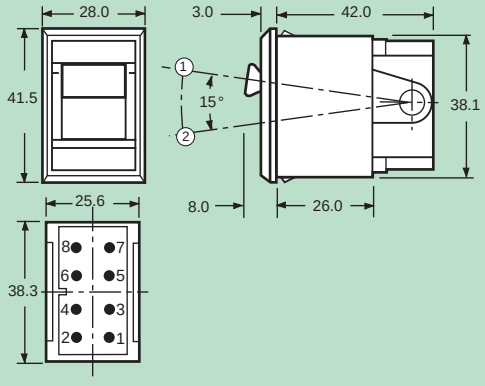


Circuit	1	2	3	4
1	▲	▲	▲	
2	▲		▲	▲

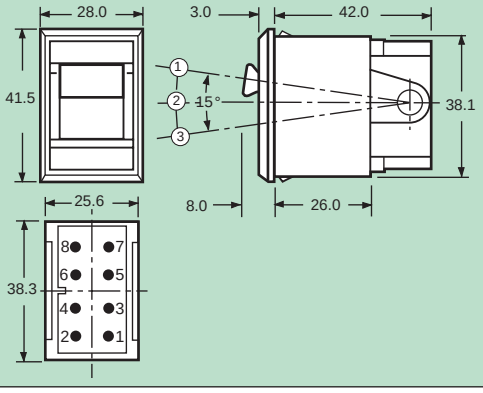
Lever switch

A 2 or 3 position lever panel switch. Available with a spring return action. The multi-terminal design will accommodate 2 independent circuits. Available with illumination. Suitable for 12 V applications only. Electrical connections are made to 3 mm pins.

1

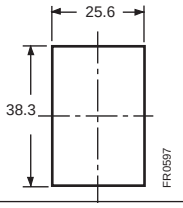


2



Current Rating	12 V
Resistive Load	20 A

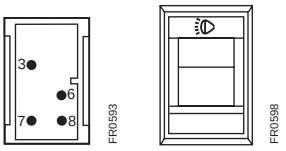
Ⓐ



30860 3 12 V

Type	2
Function =	LIGHTING
Finish =	BLACK
Piercing =	Ⓐ
Illuminated =	GREEN

Max. panel thickness : 1.25 → 1.75 mm

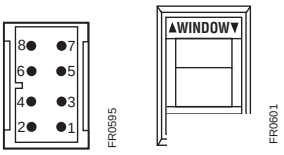


Circuit	1	2	3	4	5	6	7	8
1								
2			▲				▲	
3			▲			▲		▲

33852 3 12 V

Type	2
Function =	WINDOW LIFT
Finish =	BLACK
Piercing =	Ⓐ
Illuminated =	GREEN

Max. panel thickness : 1.50 → 2.00 mm

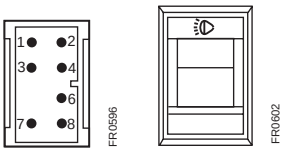


Circuit	1	2	3	4	5	6	7	8
1 ⇩	▲			▲				
2		▲			▲			
3 ⇧			▲				▲	▲

34224 3 12 V

Type	2
Function =	LIGHTING
Finish =	BLACK
Piercing =	Ⓐ
Illuminated =	–

Max. panel thickness : 1.25 → 1.75 mm



Circuit	1	2	3	4	5	6	7	8
1	▲			▲				
2		▲			▲			
3			▲				▲	▲

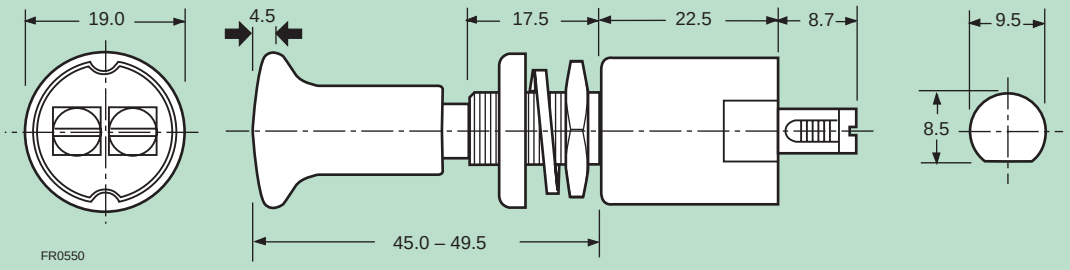
All dimensions are shown in millimetres unless stated otherwise.

SPB104-106 / SPB160

Push/pull switches various

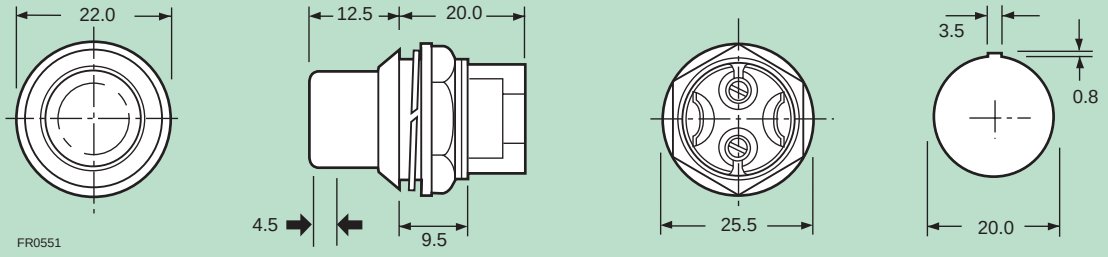
A range of popular push/pull switches for general purpose. The range includes simple spring returned push button switches, illuminated pull/push switches and a mini-push switch.

SPB104



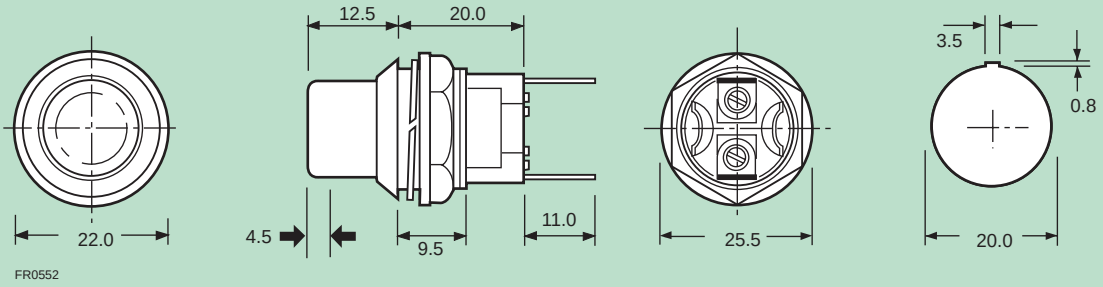
Action	PULL/PUSH	
Finish	STANDARD	
Panel thickness	8.0 mm	
Voltage	12 V	24 V
Resistive loads	10 A	3 A

SPB105



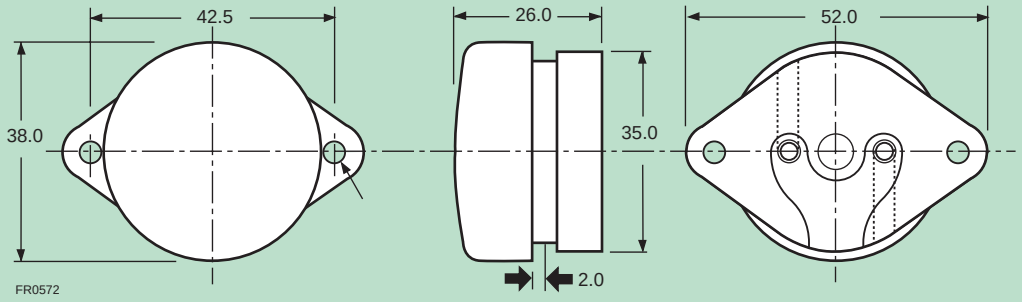
Action	PUSH	
Finish	CHROME	
Panel thickness	3.0 mm	
Voltage	12 V	24 V
Inductive loads	11 A	2.5 A

SPB106



Action	PUSH	
Finish	CHROME	
Illuminated	–	
Panel thickness	3.0 mm	
Voltage	12 V	24 V
Inductive loads	11 A	2.5 A

SPB160



Action	PUSH
Finish	BLACK
Voltage	12 V
Inductive loads	5 A

All dimensions are shown in millimetres unless stated otherwise.