

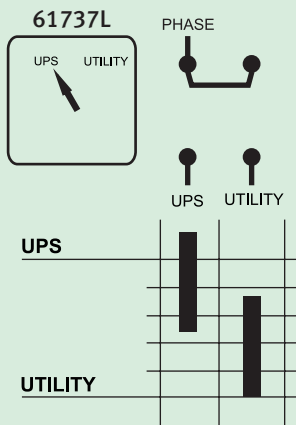
Mains Changeover Switches and Bypass Switches



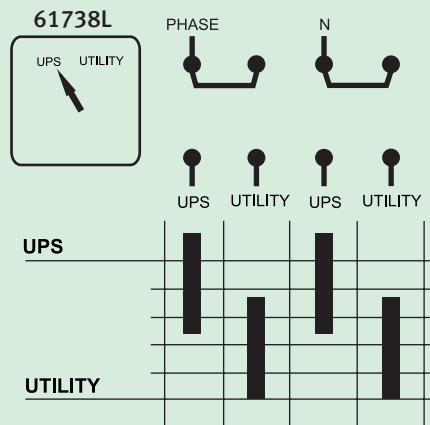
Function

Mains changeover switches are manually operated changeover switches with overlapping contacts (make before break) which allow a 1-pole, 2-pole (1-pole + N), 3-pole and 4-pole (3-pole + N) changeover. They enable electrical supply or load changeover for maintenance purposes.

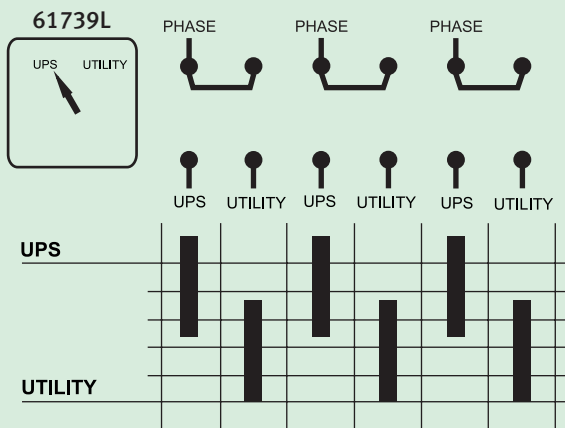
Switching programs 61737–61740



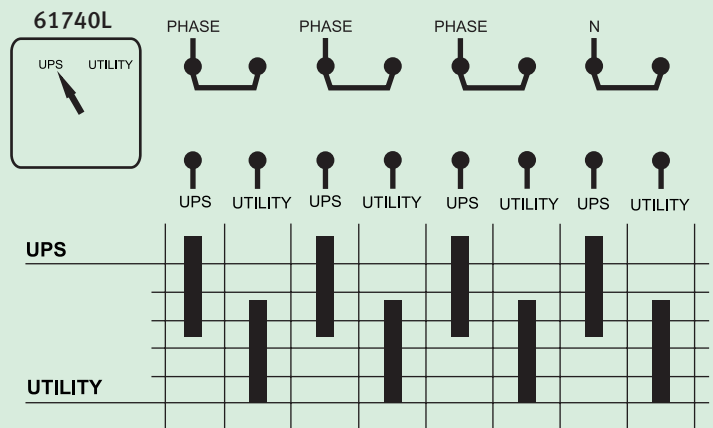
Mains changeover switch with 2 switch positions
“UPS – UTILITY” (1-pole)



Mains changeover switch with 2 switch positions
“UPS – UTILITY” (2-pole)



Mains changeover switch with 2 switch positions
“UPS – UTILITY” (3-pole)



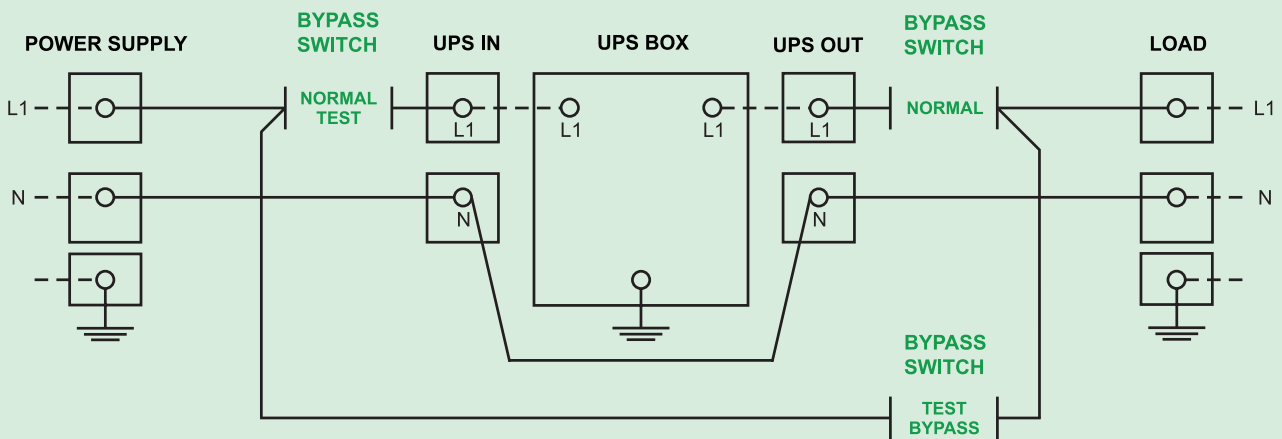
Mains changeover switch with 2 switch positions
“UPS – UTILITY” (4-pole)

Operational Current AC-21A (A)	Front mounting dimensions (mm)	1-pole Order code number	2-pole Order code number	3-pole Order code number	4-pole Order code number
20	36 × 36	M220-61737L003M1	M220-61738L003M1	M220-61739L003M1	M220-61740L003M1
32	36 × 36	T225-61737L003M1	T225-61738L003M1	T225-61739L003M1	T225-61740L003M1
63	48 × 48	S440-61737L003M1	S440-61738L003M1	S440-61739L003M1	S440-61740L003M1
80	68 × 68	S606-61737L003G1	S606-61738L003G1	S606-61739L003G1	S606-61740L003G1
100	68 × 68	S608-61737L003G1	S608-61738L003G1	S608-61739L003G1	S608-61740L003G1
160	68 × 68	S612-61737L003G1	S612-61738L003G1	S612-61739L003G1	S612-61740L003G1
315	104 × 104	S825-61737L003G1	S825-61738L003G1	S825-61739L003G1	S825-61740L003G1

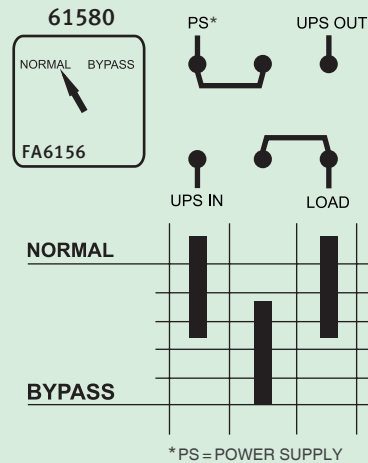
Function

With **bypass switches** the energy flow can be changed over from UPS supply to direct mains supply without interruption and with the UPS input either connected or disconnected. Bypass switches can be configured as 1-pole, 2-pole (1-pole + N), 3-pole and 4-pole (3-pole + N) version. UPS bypass switches offer make before break contacts ensuring that whilst switching any interruption of the power supply is impossible.

Schematic diagram (1-pole)



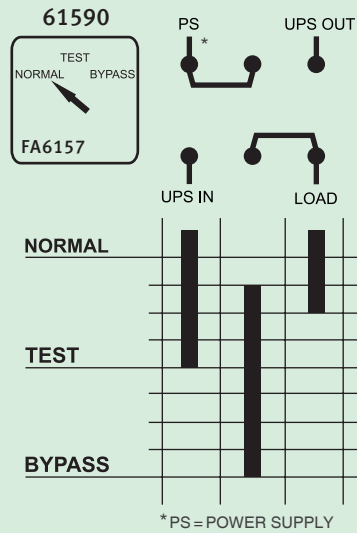
Switching program 61580



Bypass switch with 2 switch positions
“NORMAL – BYPASS” (1-pole)

Operational Current AC-21A (A)	Front mounting dimensions (mm)	1-pole Order code number	2-pole Order code number	3-pole Order code number	4-pole Order code number
20	36 × 36	M220-61580-003M1	M220-61581-003M1	M220-61582-003M1	M220-61583-003M1
32	36 × 36	T225-61580-003M1	T225-61581-003M1	T225-61582-003M1	T225-61583-003M1
63	48 × 48	S440-61580-003M1	S440-61581-003M1	S440-61582-003M1	S440-61583-003M1
80	68 × 68	S606-61580-003G1	S606-61581-003G1	S606-61582-003G1	S606-61583-003G1
100	68 × 68	S608-61580-003G1	S608-61581-003G1	S608-61582-003G1	S608-61583-003G1
160	68 × 68	S612-61580-003G1	S612-61581-003G1	S612-61582-003G1	S612-61583-003G1
315	104 × 104	S825-61580-003G1	S825-61581-003G1	S825-61582-003G1	S825-61583-003G1

Switching program 61590



Bypass switch with 3 switch positions
"NORMAL – TEST – BYPASS" (1-pole)

Operational Current AC-21A (A)	Front mounting dimensions (mm)	1-pole Order code number	2-pole Order code number	3-pole Order code number	4-pole Order code number
20	36 × 36	M220-61590-003M1	M220-61591-003M1	M220-61592-003M1	M220-61593-003M1
32	36 × 36	T225-61590-003M1	T225-61591-003M1	T225-61592-003M1	T225-61593-003M1
63	48 × 48	S440-61590-003M1	S440-61591-003M1	S440-61592-003M1	S440-61593-003M1
80	68 × 68	S606-61590-003G1	S606-61591-003G1	S606-61592-003G1	S606-61593-003G1
100	68 × 68	S608-61590-003G1	S608-61591-003G1	S608-61592-003G1	S608-61593-003G1
160	68 × 68	S612-61590-003G1	S612-61591-003G1	S612-61592-003G1	S612-61593-003G1
315	104 × 104	S825-61590-003G1	S825-61591-003G1	S825-61592-003G1	S825-61593-003G1

More configurations are available on request:

- Various switching programs
- Operational currents greater than 315 A
- Auxiliary contacts
- Padlockable or key lockable operator versions
- Different kinds of mounting forms
- Open or enclosed versions



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