

# Bypass Switches



PCE  MERZ

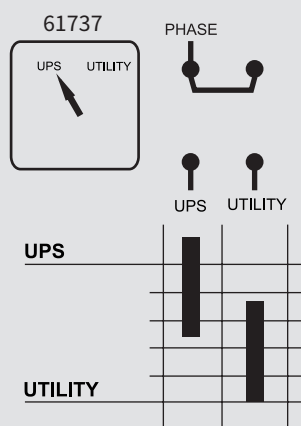
*switch to Quality!*

# MAINS CHANGEOVER SWITCHES

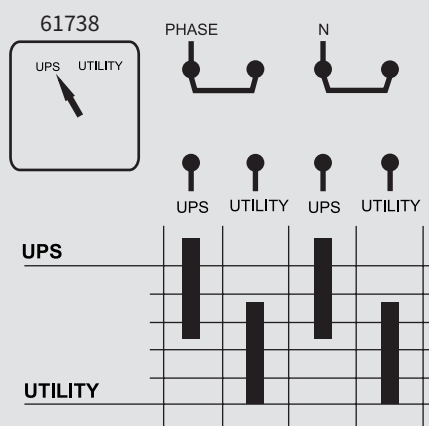
## Function

**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.

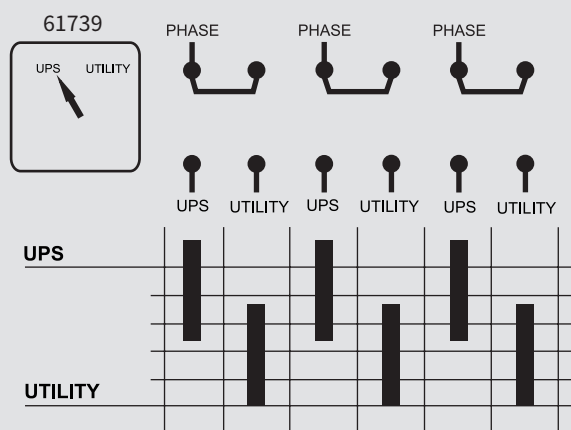
## Switching programs 61737–61740



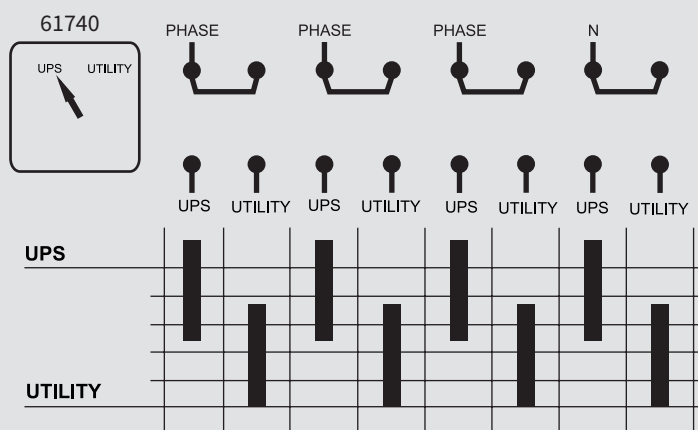
Mains changeover switch with 2 switch positions  
“UPS – UTILITY” (1-pole)



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)

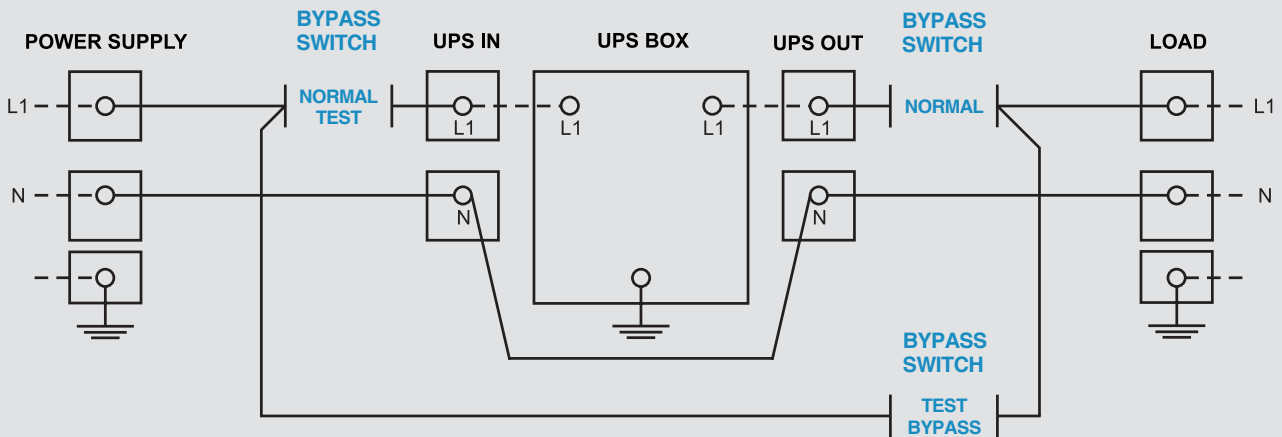
Operational Current AC-21A (A)	Front mounting dimensions (mm)	1-pole Order code number	2-pole Order code number	3-pole Order code number	4-pole Order code number
20	36 × 36	M220-61737-003M1	M220-61738-003M1	M220-61739-003M1	M220-61740-003M1
32	36 × 36	T225-61737-003M1	T225-61738-003M1	T225-61739-003M1	T225-61740-003M1
63	48 × 48	S440-61737-003M1	S440-61738-003M1	S440-61739-003M1	S440-61740-003M1
80	68 × 68	S606-61737-003G1	S606-61738-003G1	S606-61739-003G1	S606-61740-003G1
100	68 × 68	S608-61737-003G1	S608-61738-003G1	S608-61739-003G1	S608-61740-003G1
160	68 × 68	S612-61737-003G1	S612-61738-003G1	S612-61739-003G1	S612-61740-003G1
315	104 × 104	S825-61737-003G1	S825-61738-003G1	S825-61739-003G1	S825-61740-003G1

# BYPASS SWITCHES

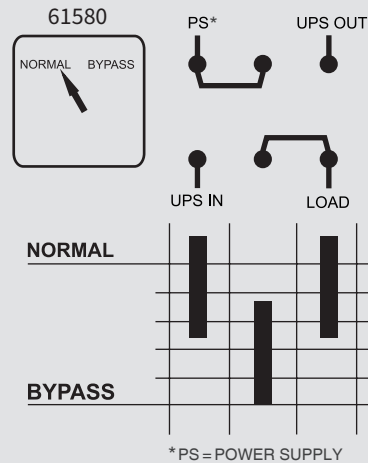
## Function

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

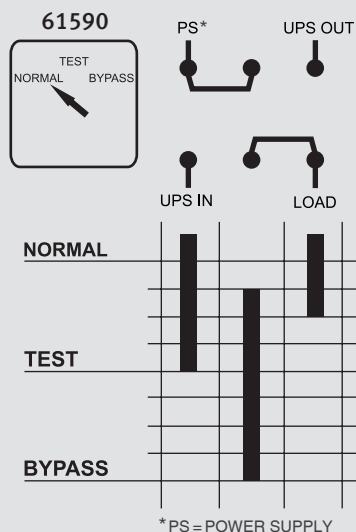


Bypass switch with 2 switch positions  
"NORMAL – BYPASS" (1-pole)

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

# BYPASS SWITCHES

## Switching program 61590



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

Operational Current AC-21A (A)	Front mounting dimensions (mm)	Order code number			
		1-pole	2-pole	3-pole	4-pole
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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*Switch to Quality!*