

Mains Changeover Switches Bypass Switches



PCE  MERZ

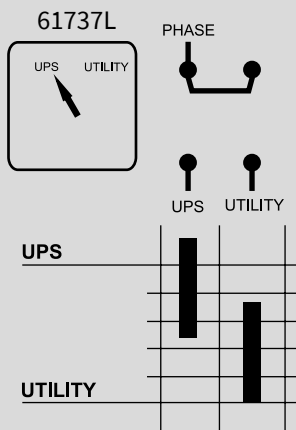
switch to Quality!

MAINS CHANGEOVER SWITCHES

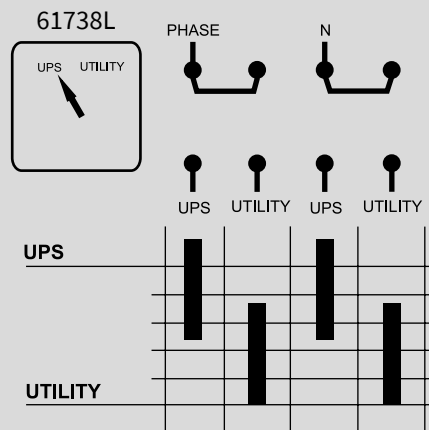
Function

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.

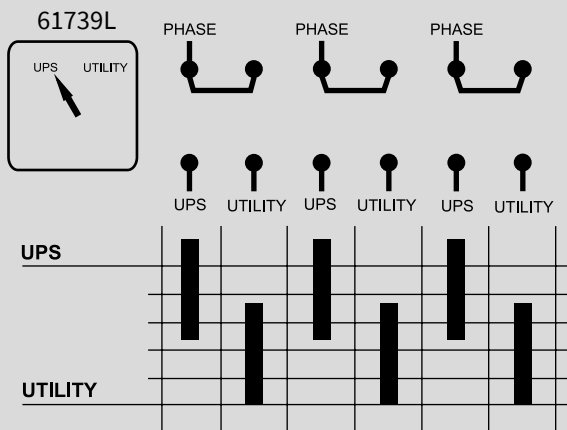
Switching programs 61737-61740



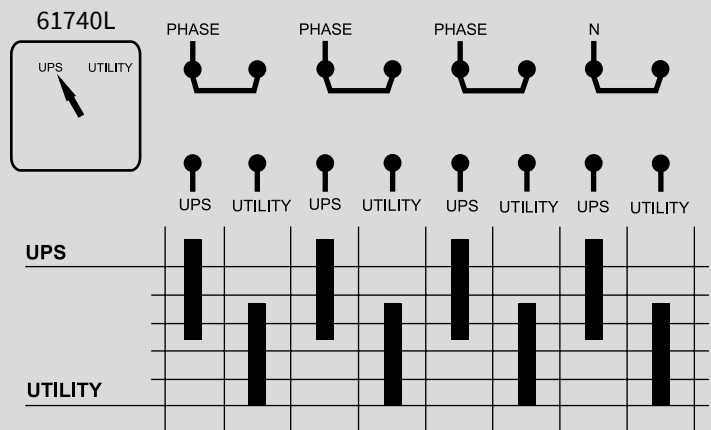
Mains changeover switch with 2 switch positions
"UPS - UTILITY" (1-pole)



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)

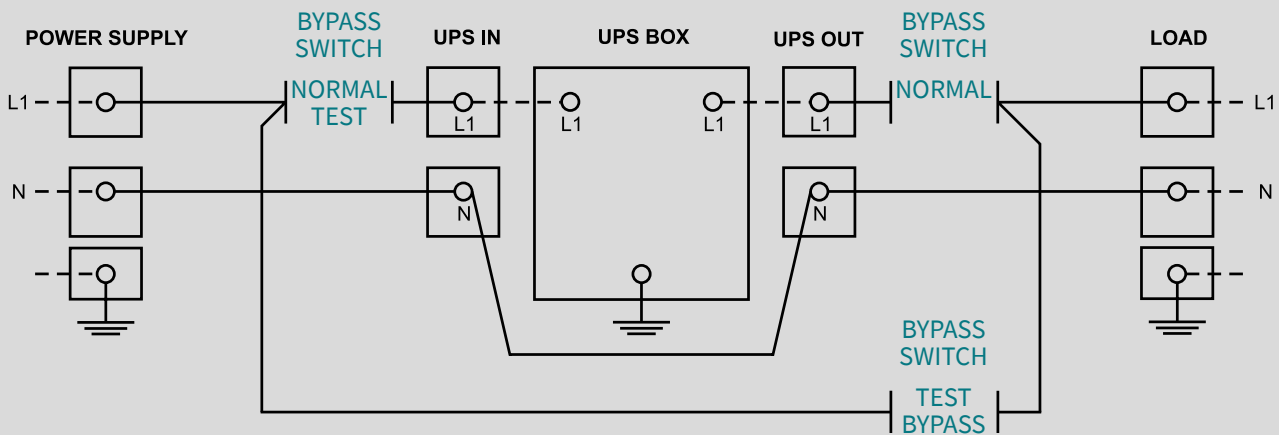
| Operational Current AC-21A (A) | Front mounting dimensions (mm) | 1-pole Order code number | 2-pole Order code number | 3-pole Order code number | 4-pole Order code number |
|--------------------------------|--------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| 20 | 36x36 | M220-61737L003M1 | M220-61738L003M1 | M220-61739L003M1 | M220-61740L003M1 |
| 32 | 36x36 | T225-61737L003M1 | T225-61738L003M1 | T225-61739L003M1 | T225-61740L003M1 |
| 63 | 48x48 | S440-61737L003M1 | S440-61738L003M1 | S440-61739L003M1 | S440-61740L003M1 |
| 80 | 68x68 | S606-61737L003G1 | S606-61738L003G1 | S606-61739L003G1 | S606-61740L003G1 |
| 100 | 68x68 | S608-61737L003G1 | S608-61738L003G1 | S608-61739L003G1 | S608-61740L003G1 |
| 160 | 68x68 | S612-61737L003G1 | S612-61738L003G1 | S612-61739L003G1 | S612-61740L003G1 |
| 315 | 104x104 | S825-61737L003G1 | S825-61738L003G1 | S825-61739L003G1 | S825-61740L003G1 |

BYPASS SWITCHES

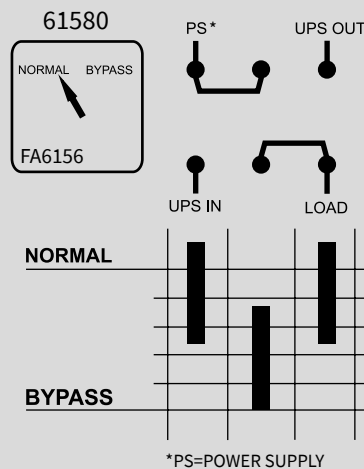
Function

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.

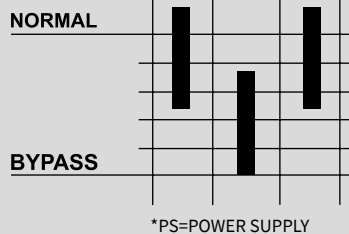
Schematic diagram (1-pole)



Switching program 61580



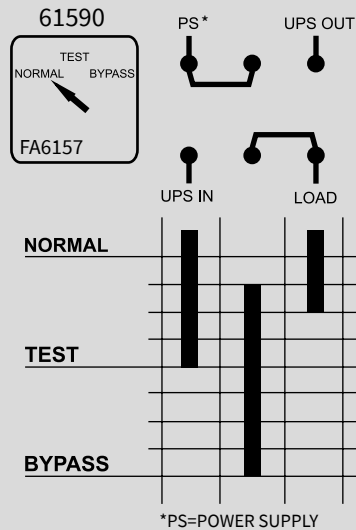
Bypass switch with 2 switch positions
"NORMAL - BYPASS" (1-pole)



| 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) | 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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