PS8 – 16
- 16 — Design number
- PS8 — PS8 Series

Applications

- Equipped with overvoltage/undervoltage and overcurrent protection functions, it automatically selects the phase with normal voltage to sup power to the load.



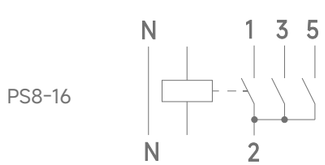
Feature

- Voltage / current(True RMS)monitoring and protection.
- Over / under voltage value and over-current value can be set.
- Digital display voltage, current value, fault status can be displayed by L
- DIN rail mounting.

Technical parameters

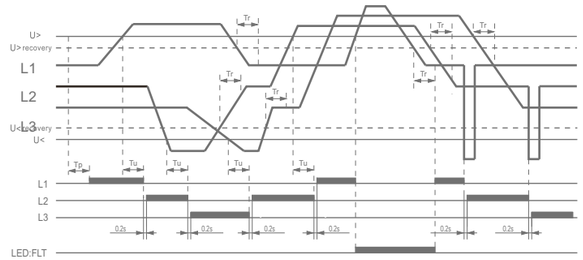
	PS8-16
Function	Phase selector swtich
Rated supply voltage	AC220V(L1,L2,L3-N)
Rated supply frequency	45~65HZ
Operation voltage range	80V~400V(L1,L2,L3-N)
Rated operational current	63A,80A（AC1）
Burden	AC max.3VA
Over voltage operation value	OFF,230V~300V
Under voltage operation value	140V~210V,OFF
Over/under voltage action delay	0.1s~10s
Over current operation value	1A~63A
Over current action delay	2s~600s
Power-up delay	2s~600s
Reset time	2s~900s
Measurement error	≤1%
Electrical life(AC1)	1×10^4
Mechanical life	1×10^6
Operating temperature	-20°C ~ +60°C
Storage temperature	-35°C ~ +75°C
Mounting/DIN rail	Din rail EN/IEC 60715
Protection degree	IP40 for front panel/IP20 terminals
Operating position	any
Overvoltage category	III
Pollution degree	2
Dimensions	82×72×68mm
weight	320g

Wiring Diagram

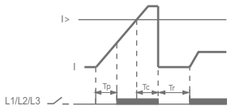


Functions Diagram

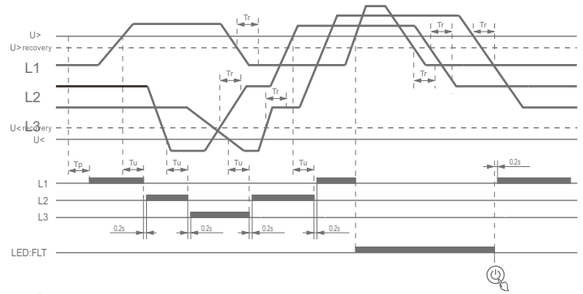
The input of this product is L1, L2, L3, N, and the output is L, N. The product will automatically select the phase output with normal voltage. When one of the phases experiences a voltage fault, it will automatically switch to the phase with normal voltage. If all three phases of the voltage fail, the fault indicator light will light up.
When the fault reset function is turned on, the functional diagram is as follows:



Overcurrent fault

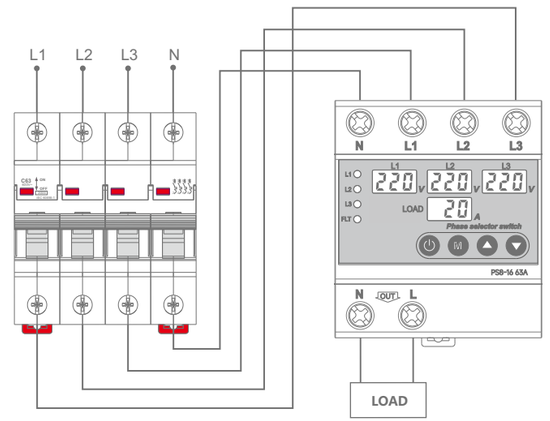


When the fault reset function is turned off, the functional diagram is as follows:



Tp：Power-up delay(2~600s)
Tr：Reset delay time(2~900s)
Tu：Over/under voltage fault action time(0.1~10s)
Tc：Overcurrent fault action time(2~600s)

Example



NOTE:
This product does not have isolation function.
Please disconnect the superior MCB during maintenance!!!

Dimensions(mm)

