

SOLAR DC MINI CIRCUIT BREAKER (DC MCB)

FPV-63

Solar DC Mini Circuit Breaker (DC MCB)



Application

FPV-63 DC MCB supplementary protectors are designed to provide overcurrent protection within appliances or electrical equipment, where a branch circuit protection is already provided or not required. Devices are designed for direct current (DC) control circuit applications.

Specifications

| FPV-63 Series Circuit Breaker | | FPV-63 |
|-------------------------------------|----------------------|------------------|
| Frame Degree Rated Current (A) | | 63 |
| Pole | | 1P, 2P, 3P, 4P |
| Rated Operating Voltage (V DC) | | DC12V -DC1200V |
| Rated Current In (A) | | 1-63A |
| Rated Insulation Voltage Ui (V DC) | | 1200VDC |
| Rated Impact Voltage Uimp (kV) | | 4 |
| Ultimate Breaking Capacity Icu (kA) | | 6 |
| Run Breaking Capacity Ics (%Icu) | | 75% |
| Curve Type | | C |
| Trip Type | | Thermal-magnetic |
| Mechanical | Actual average value | 20000 |
| | Standard value | 8500 |
| Electric | Actual average value | 2500 |
| | Standard value | 1500 |

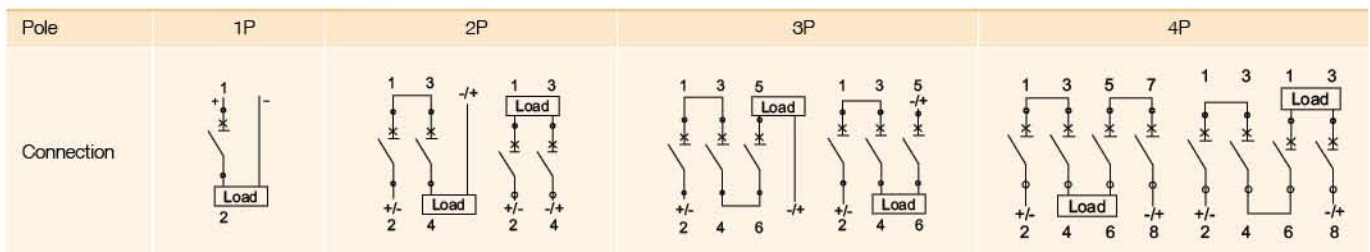
Control and Indication

| | |
|----------------------------|--------|
| Shunt release (SHT) | Option |
| Undervoltage release (UNT) | |
| Auxiliary contact (AX) | |
| Alarm contact (AL) | |

Condition and Installation

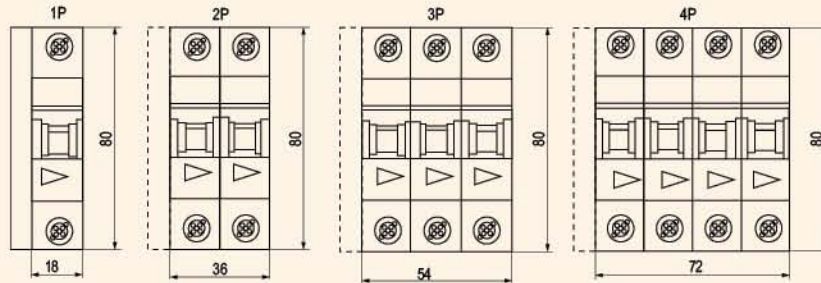
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|------------------------------------|--|------|------|------|----|
| Wiring capacity (mm ²) | In ≤ 32A, 1~25 mm ² , I ≥ 40A, 10~35mm ² | | | | |
| Ambient temperature (°C) | -20~+70 | | | | |
| Altitude | ≤ 2000 | | | | |
| Relative humidity | ≤ 95% | | | | |
| Pollution Level | 3 | | | | |
| Installation Environment | No obvious shock and vibration | | | | |
| Installation category | Class III | | | | |
| Installation | DIN Standard rail | | | | |
| Dimensions(W)x(H)x(Deep) | W | 18 | 36 | 54 | 72 |
| | H | 80 | 80 | 80 | 80 |
| | Deep | 71 | 71 | 71 | 71 |
| Weight (kg) | 0.12 | 0.24 | 0.36 | 0.48 | |

Connection

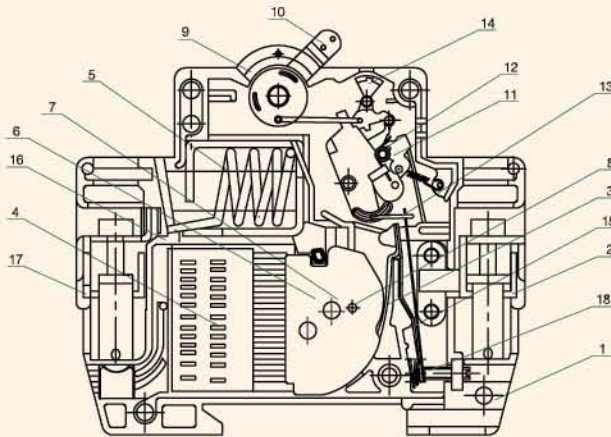


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Dimension



Details



- | | |
|---------------------|------------------------|
| 1. Shell | 10. Handle |
| 2. Wiring board | 11. Lock catch knuckle |
| 3. Static contact | 12. Tripping chain |
| 4. Arc chamber | 13. Jump pin |
| 5. Copper coil | 14. Indicator |
| 6. Insulation plate | 15. Bimetal |
| 7. Moving contact | 16. Soft linking |
| 8. Fixed contact | 17. Wiring board |
| 9. Spring | 18. Adjusting screw |

Characteristic Curve

FPV-63 Characteristic curve

