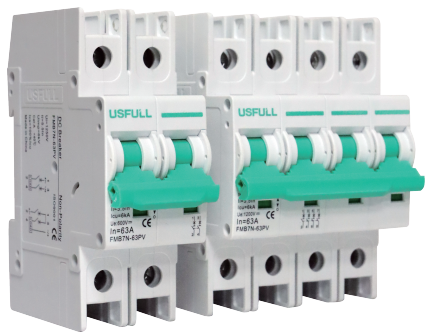


Non-Polarity DC MCB for Photovoltaic Systems

FMB7N-63PV

Class II • Type 2



Usage scenarios: photovoltaic combiner boxes,
photovoltaic strings, DC circuits, inverters, etc.

Standard: IEC60947-2

Product functions: short circuit protection,
overload protection, isolation function

Technical Data

FMB7N-63PV

IEC Electrical									
Rated Current In	6	10	16	20	25	32	40	50	63
Rated Impulse Withstand Voltage Uimp	6kV								
Rated Insulation Voltage Ui	1.25kV								
Rated Working Voltage Ui	1P 300V, 2P 600V, 3P 900V, 4P 1200V						2P 800V	2P 1000V	
Rated Ultimate Short Circuit Breaking Capacity Icu	6kA						3kA	1.5kA	
Rated Operating Short Circuit Breaking Capacity Ics	6kA						3kA	1.5kA	
Rated Instantaneous Short-Circuit Current Setting Value Ii	5.5In ±10%								
Usage Categories	Cat:A								
Protection Level	IP20								
Terminal Screw Torque	2.0Nm								
Installation Type	II, III								
Installation Method	TH35-7.5 35mm DIN Rail, EN60715								
Indicator	Red; Closed I On, Green: Open O Off								
Working Temperature	-20°C ~ +70°C								
Optional Accessories	Multi-level connectors, auxiliary contacts, alarm contacts, shunt releases								
Packaging Box Size / Quantity	222*101*80mm			1P-12PCS,2P-6PCS,3P-4PCS,4P-3PCS					
Packaging Carton Size / Quantity	520*235*335mm			1P-240PCS,2P-120PCS,3P-80PCS,4P-60PCS					

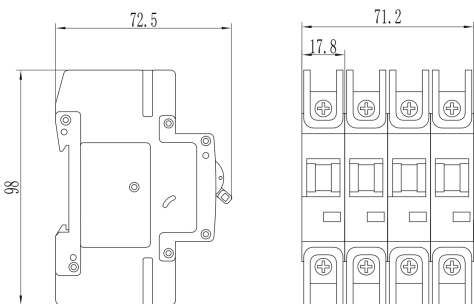
Recommended Connection Copper Conductors							
Rated Current In	≤6	10	16、 20	25	32	40、 50	63
Wire Cross-sectional Area mm²	1	1.5	2.5	4	6	10	16

High Altitude Derating				
Altitude	≤2000	3000	4000	5000
Rated Working Voltage	1	0.9	0.8	0.7

Ambient Temperature Derating							
Ambient Temperature	10	20	30	40	50	60	70
Rated Operating Current	1.15	1.08	1.03	1	0.95	0.9	0.84

Capacity Reduction in Confined Spaces such as Combiner Boxes				
Number of Installations	2~3	4~5	6~9	≥10
Rated Operating Current	0.9	0.85	0.8	0.7~0.75

Dimensions



Product Connection Wiring Diagram

