INNOFLOW

Product overview

SOLAR ENERGY EQUIPMENT

DC Miniature Circuit Breaker

IF-DCB63



Series data includes different pole and voltage configurations. Match the pole arrangement and nameplate rating to the selected configuration; do not apply a maximum series rating to every pictured device.

TECHNICAL OVERVIEW
Selected product data and drawings. This document is not an installation manual.

Product views



View 1



View 2



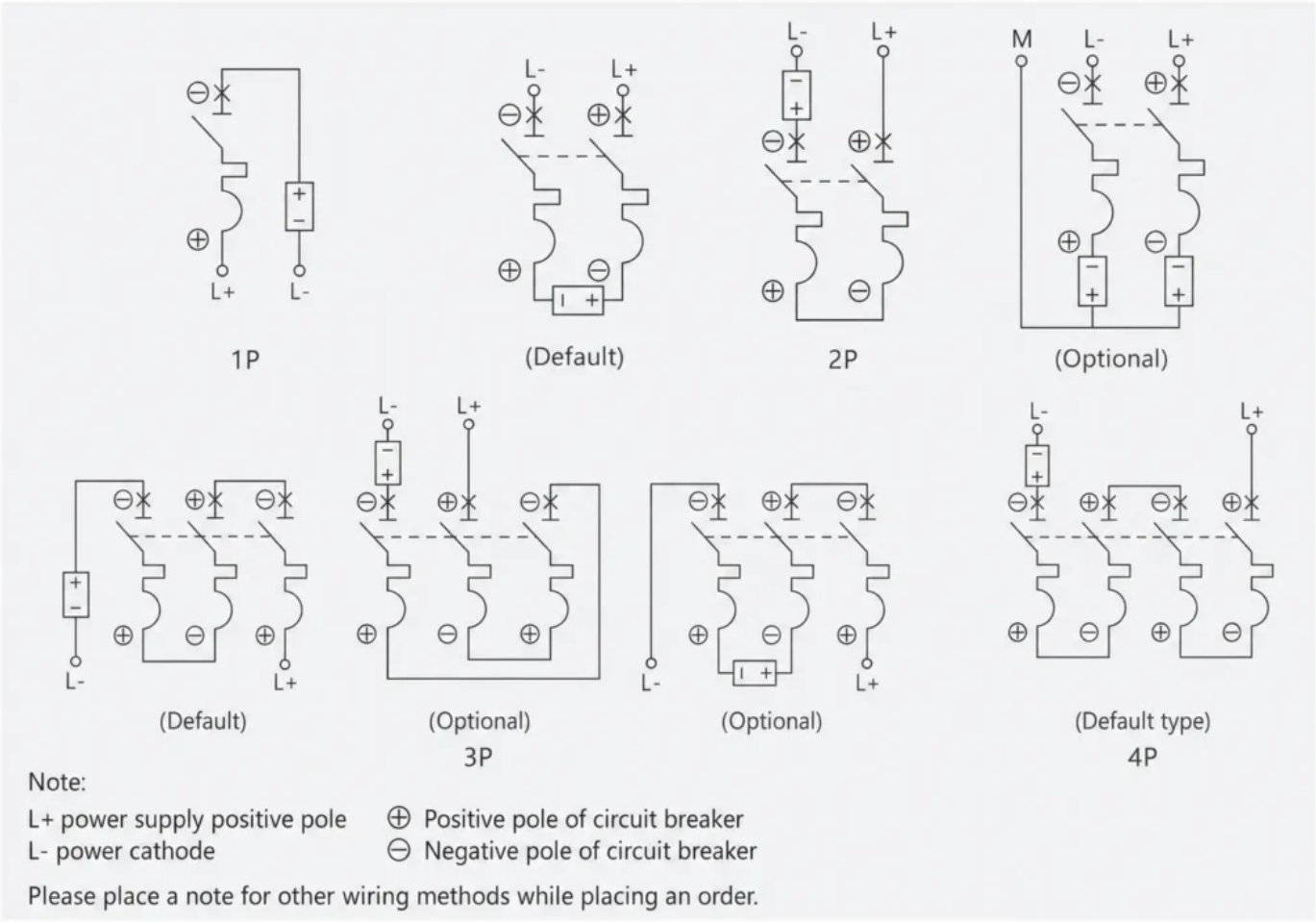
View 3



View 4

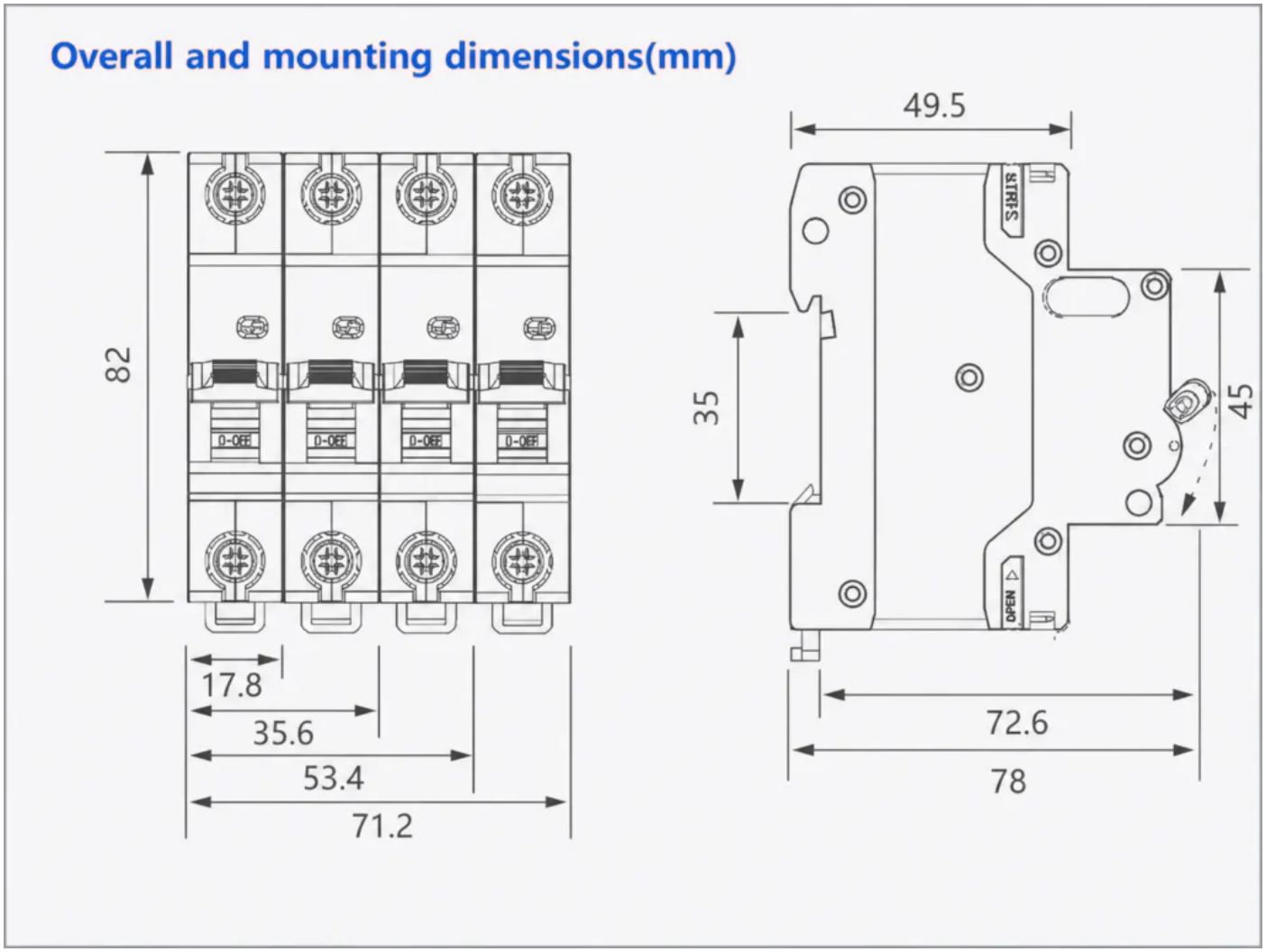
Technical reference

Wiring diagram



Series reference. Apply the capacity, mounting type and units shown in this figure.

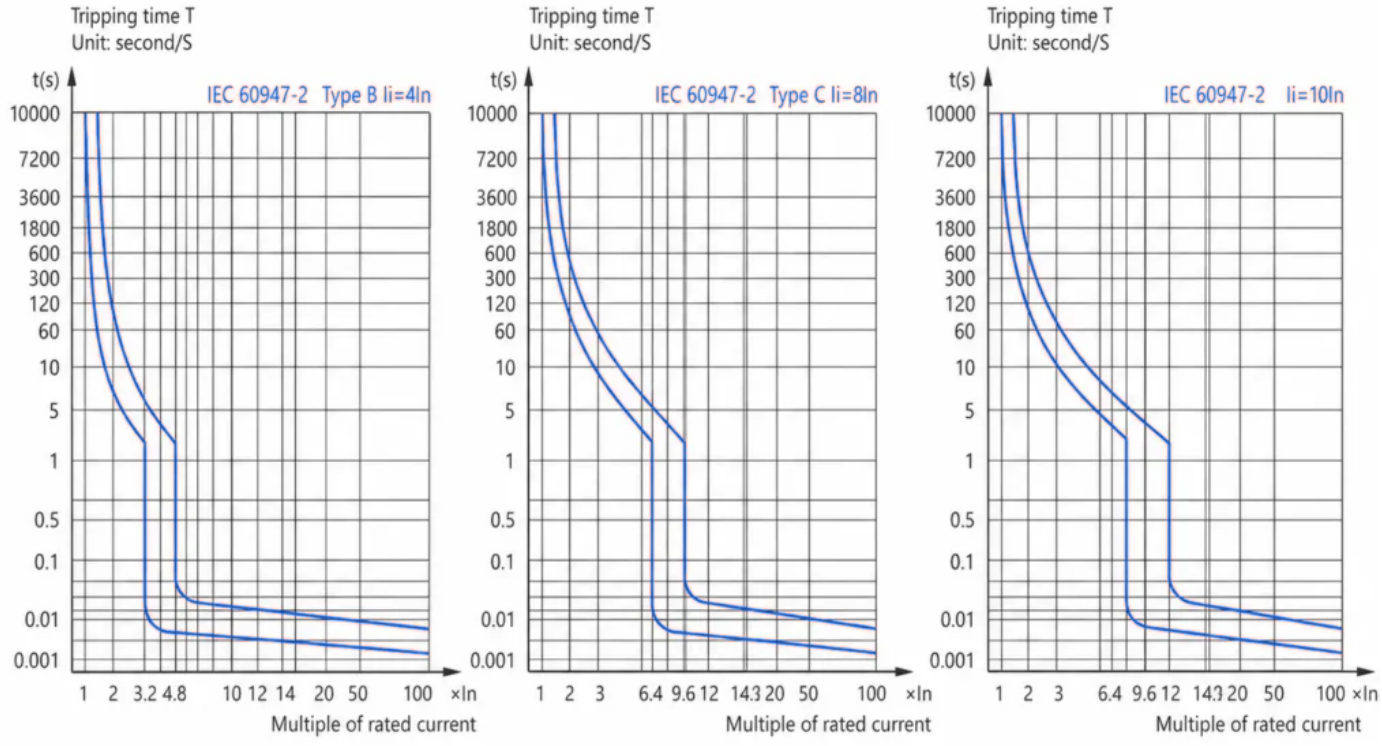
Technical reference



Series reference. Apply the capacity, mounting type and units shown in this figure.

Technical reference

Curve



B curve 4In±20%,
applicable rated current≤63A

C curve 8In ± 20%,
applicable rated current≤63A

K curve 10In±20%,
suitable for rated current≤63A

Series reference. Apply the capacity, mounting type and units shown in this figure.

Electrical characteristics

Technical data

Standards		IEC/EN 60947-2			
Polarity		1P	2P	3P	4P
Rated working voltage Ue		DC300/400	DC600/800	DC900/1200	DC1200/1500
Rated insulation voltage Ui (V)		DC400	DC800	DC1200	DC1500
Rated impulse withstand voltage (Uimp)		4			
Rated current In (A)	1P DC400V	1,2,3,6,10,16,20,25,32			
	1P DC300V	40,50,63			
Rated impulse voltage Uimp(KV)		1200			
Ultimate breaking capacity Icu(KA)(T=4ms)		Pv:6			
Operation breaking capacity Ics(KA)		Ics=100%Icu			
Curve type		Type B, Type C, Type K			
Tripping type		Thermomagnetic			
Service life (time)	Mechanical	20000			
	Electrical	1500			
Polarity		Heteropolarity			
Inline methods		Can be up and down into the line			
Electrical accessories					
Auxiliary contact		□			
Alarm contact		□			
Shunt release		□			
Applicable environmental conditions and installation					
Working temperature(°C)		-35~+70			
Storage temperature(°C)		-40~+85			
Moisture resistance		Category 2			
Altitude(m)		Use with derating above 2000m			
Pollution degree		Level 3			
Protection degree		IP20			
Installation environment		Places without significant vibration and impact			
Installation category		Category II , Category III			
Installation method		DIN35 standard rail			
Wiring capacity		2.5-25mm²			
Terminal torque		3.5N·m			

■ Standard □ Optional — No

Values and units follow the identified source variant.