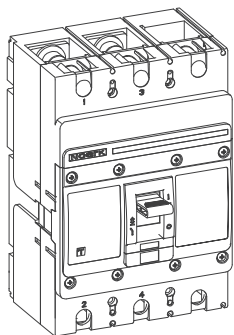


Ex9MV2S-PV/DC1500V(125A-250A)

Ex9MV2S-PV/DC1500V

Photovoltaic DC plastic case circuit breaker



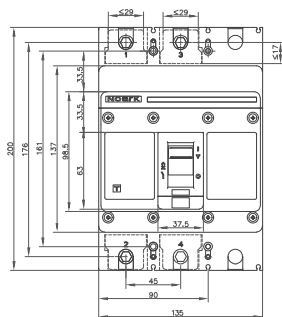
The manufacturer assumes no responsibility for unfavourable consequence resulting from the non-application or incorrect application of the instructions provided herein.

NOARK

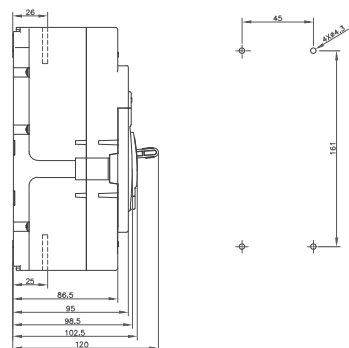
A Dimension

mm

Outline Dimension



Mounting Dimension



B Standard Accessories

mm

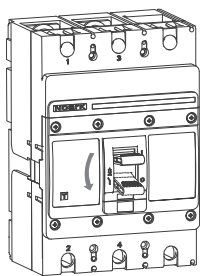
Standard Accessories

Appellation	Model	Number	Figure
Installation Bolt	M4 ×100	4	
Spring Washer	4	4	
Flat Washer	4	4	
Nut	M4	4	
Phase Barrier		3	

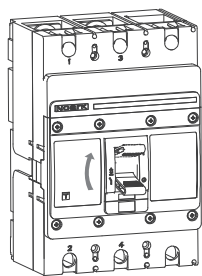
Necessary Tools

Hex key	Screw-driver
mm 	mm

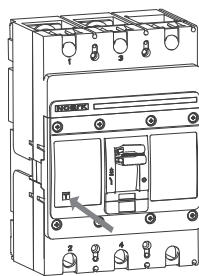
C Operating Test



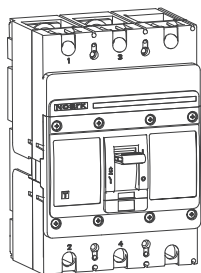
1 TRIP → OFF



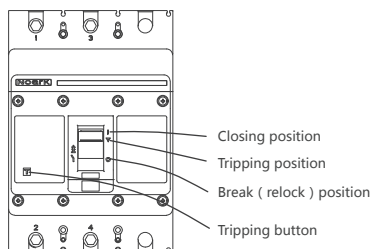
2 OFF → ON



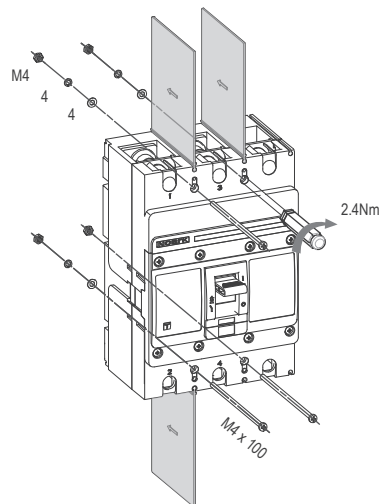
3 ON → TRIP



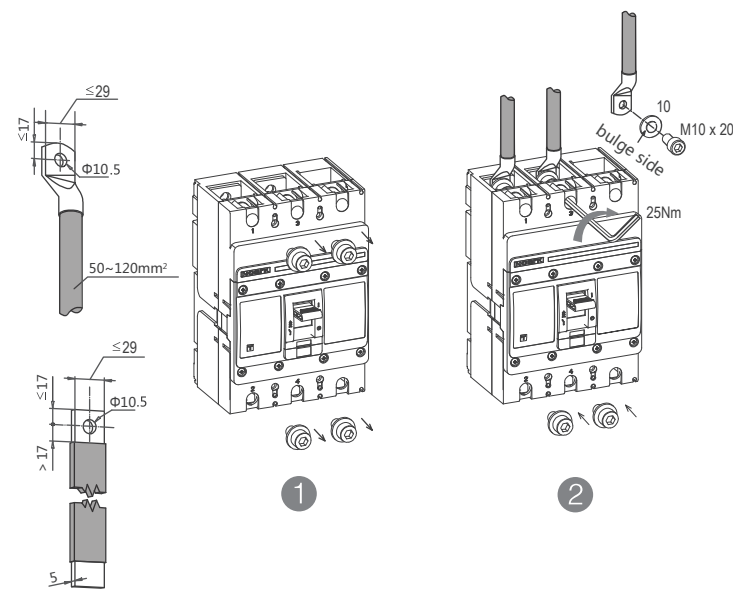
4 TRIPPED

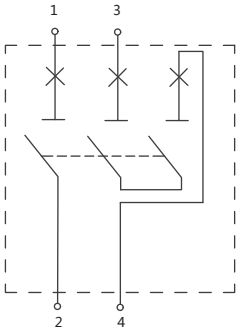
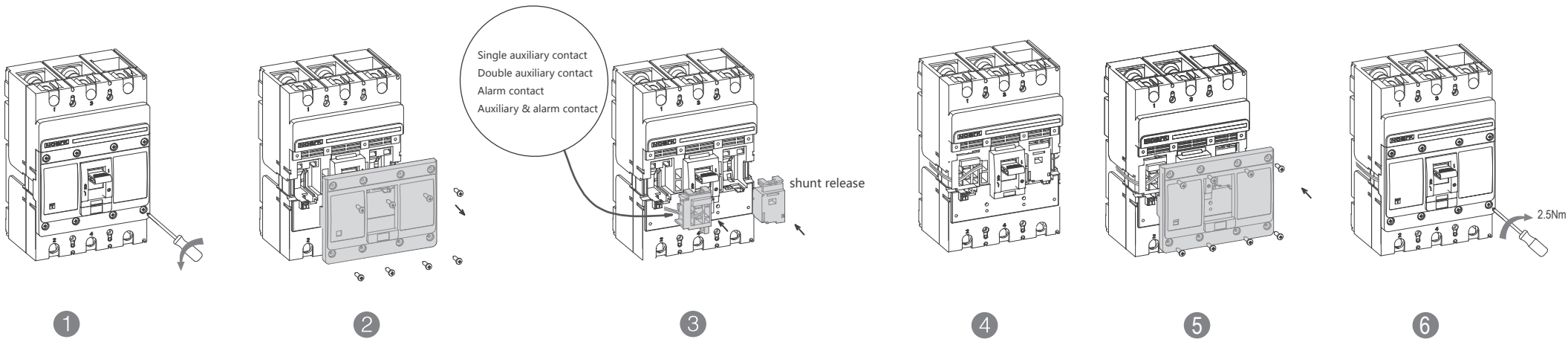


D Install the Circuit Breaker



E Copper specifications and wire connections

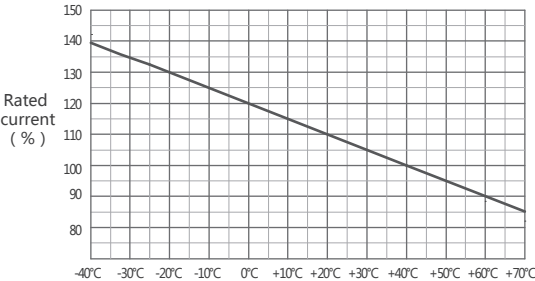




Temperature compensation coefficient table

-40°C	-30°C	-20°C	-10°C	0°C	+10°C	+20°C	+30°C	+40°C	+50°C	+60°C	+70°C
1.4In	1.35In	1.3In	1.25In	1.2In	1.15In	1.1In	1.05In	1In	0.95In	0.9In	0.85In

Temperature compensation curve



Altitude drop parameter table

The altitude below 2000 meters has no significant effect on the performance of circuit breakers. Above this height, the reduction in dielectric strength and air cooling must be taken into account. The following table shows the correction value above 2000 meters altitude, and the breaking capacity remains unchanged.

Altitude (m)	2000m	3000m	4000m	5000m
Rated operational current $I_n(A)$	$1 \times I_n$	$0.97 \times I_n$	$0.93 \times I_n$	$0.89 \times I_n$
Rated operational voltage $U_e(V)$	1500	1350	1200	1050
Dielectric properties (V)	3820	3500	3100	2700
Rated insulation shock resistance voltage $U_{imp}(kV)$	12	12	12	12

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