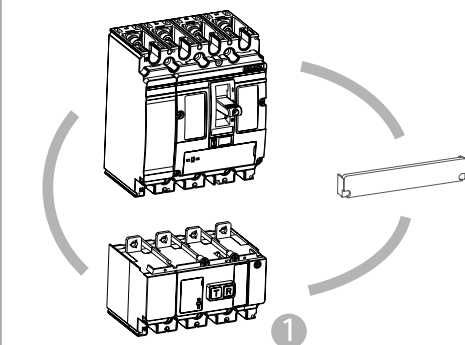


RCD module
Chráničový modul
Chráničový modul
Blok różnicowoprądowy
Modul diferencial ataşabil
FI-Schutzblock
Bloc différentiels
Дифференциальный модуль

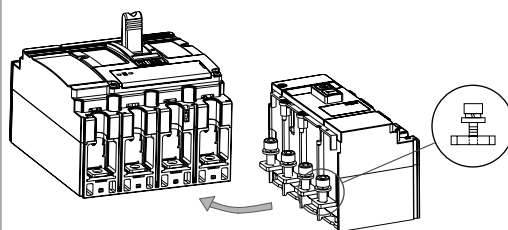
DT3 блок
Modularna diferencialna zaštitna sklopka
Rásterelhető hibaáram-védoblokk
Nuotėkio srovės apsaugos modulis
Диференційний модуль
Bloque diferencial
Modularna diferencialna zaštitna sklopka

NOARK

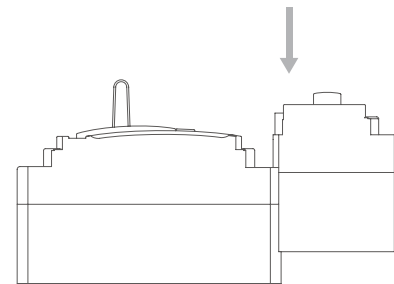
B Installation



Connection Installation

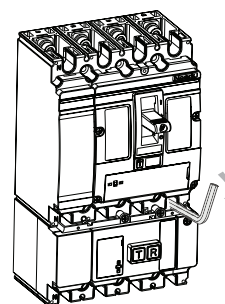


2 The screws must be screwed in a distance when fixing them.

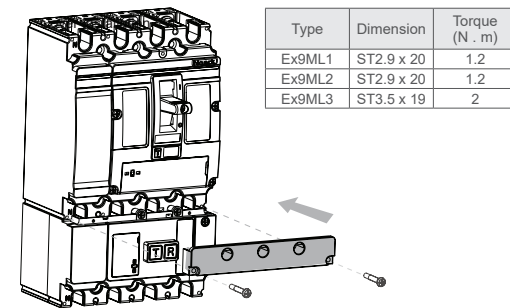


3 Dislocation Installation

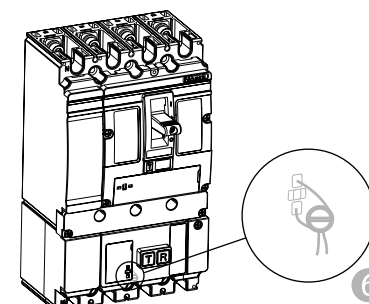
Type	Dimension	Torque (N . m)
Ex9ML1	M6 x 16	6
Ex9ML2	M8 x 20	11
Ex9ML3	M10 x 30	25



4 Fixing Screw



5



6 Lead Sealing

Type	Dimension	Torque (N . m)
Ex9ML1	ST2.9 x 20	1.2
Ex9ML2	ST2.9 x 20	1.2
Ex9ML3	ST3.5 x 19	2

A Warning

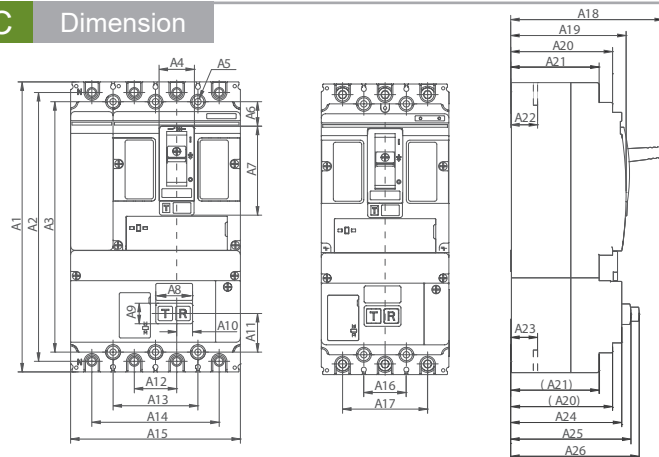
Mounting instruction
Montážní návod
Montážny návod
Instrukcja montażu
Instruțiuni de asamblare
Montageanweisung
Instructions de montage
Инструкция по монтажу
Инструкции за инсталиране
Uputstvo za montažu
Ősszeszerelési útmutató
Montavimo instrukcijos
Инструкция з монтажу

Istruzioni di montaggio
Instrucciones de montaje
Instalašanas instrukcijas
Paigaldusjuhendid
Montažu upute
Monteringsanvisning
Asennusohjeita
Montage-instructies
Instruções de montagem
Navodila za montažo
Οδηγίες Εγκατάστασης
Monteringsvejledningen

Caution: Installation by electricians only
Varování: Montáž pouze osobou s elektrotechnickou kvalifikací
Varovanie: Montáž smie vykonávať iba osoba s elektrotechnickou kvalifikáciou
Uwaga: Montaż tylko przez uprawnionych instalatorów
Atentie: Instalare numai de catre electricieni
Vorsicht: Montage nur durch Elektrofachkräfte
Attention: Montage uniquement par un électricien
Осторожно: Установка данного оборудования производится только специалистом – электриком
Внимание: Монтаж само от ел.специалисти
Upozorenje: Montažu izvodi samo stručno lice
Figyelem: Szerelést kizárólag szakember végezheti
Démecio: montavimo darbus gali atlikti tik kvalifikuotas specialistas-elektrikas
Обережно: монтаж виконує виключно електрик
Attenzione: L'installazione deve essere eseguita solamente da personale qualificato
Atención: Este dispositivo debe ser manipulado únicamente por personal cualificado



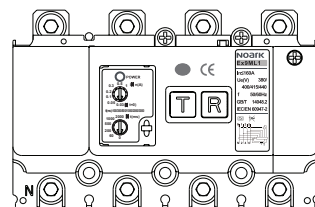
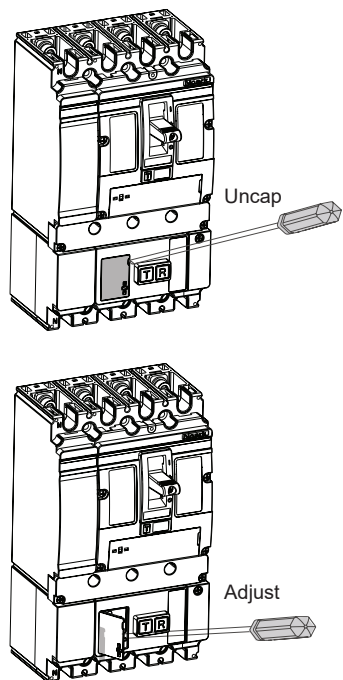
C Dimension



Type	A10	A11	A12	A13	A14	A15	A16	A17	A18	A19	A20	A21	A22	A23	A24	A25	A26
Ex9ML1/3P	11.2 0.44	27.3 1.07	-	-	-	90 3.54	30 1.18	60 2.36	109 4.29	81.6 3.21	72 2.83	62.5 2.46	19 0.75	19 0.75	78.5 3.09	85 3.35	90.7 3.57
Ex9ML1/4P			30 1.18	60 2.36	90 3.54	120 4.72	-	-									
Ex9ML2/3P	15 0.59	32 1.26	-	-	-	105 4.13	35 1.38	70 2.76	125 4.92	91.5 3.60	82 3.23	72.5 2.85	22.5 0.89	22.5 0.89	88 3.46	94.5 3.72	100.2 3.94
Ex9ML2/4P			35 1.38	70 2.76	105 4.13	140 5.51	-	-									
Ex9ML3/3P	22.5 0.89	38.5 1.52	-	-	-	140 5.51	45 1.77	90 3.54	170.8 6.72	118.5 4.67	108 4.25	96 3.78	27(≤400A) 1.06 28(>400A) 1.10	27 1.06	113 4.45	118.5 4.67	124.2 4.89
Ex9ML3/4P			45 1.77	90 3.54	135 5.31	185 7.28	-	-									

mm
in

D Use and Operation



Power indicator

Residual current range

✓ $I_{\Delta n} = 0.03 \rightarrow \Delta t(\text{ms}) = 0$

✗ $I_{\Delta n} = 0.03 \rightarrow \Delta t(\text{ms}) > 0$



Maximum tripping time

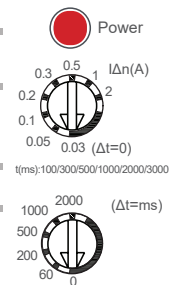
Non-actuating delay time



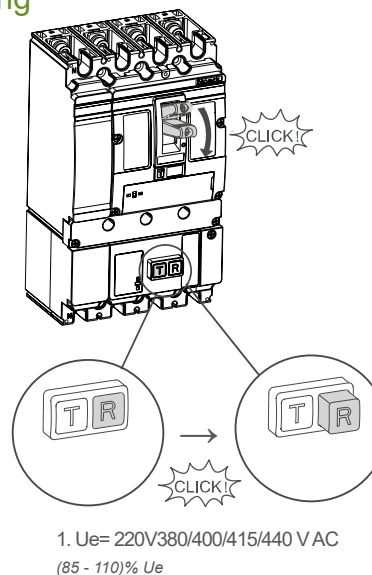
Test button



Reset button



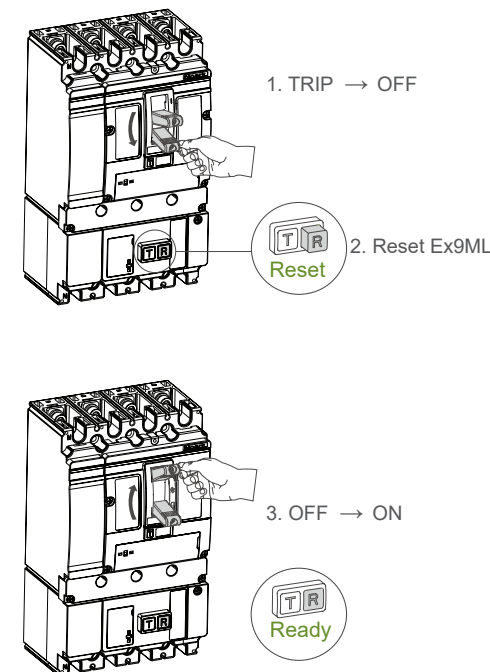
Testing



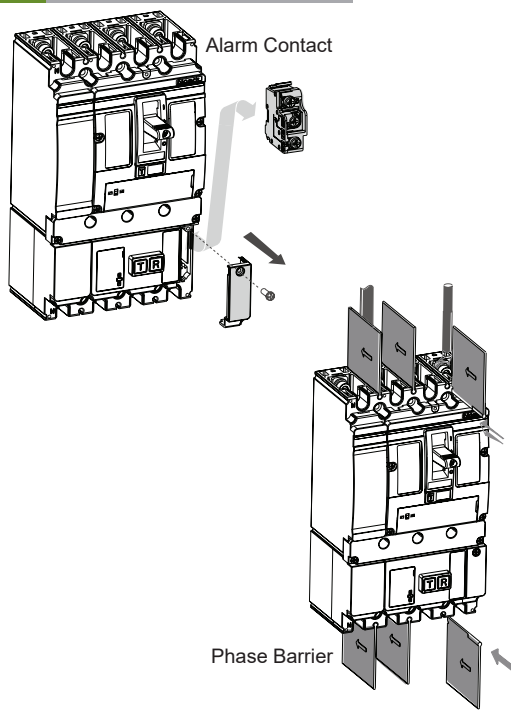
2. Press "T" to trip

Test regularly ⚠

Fault reset



E Accessories Installation



F Derating Factor

Ex9M+Ex9ML Derating factor

Type	In	16	20	25	32	40	50	63	80	100	125	160	180	200	225	250	315	350	400	500	630
Ex9ML1	+Ex9M (TM)	1	1	1	1	1	1	1	0.95	0.9	0.8	0.82	-	-	-	-	-	-	-	-	-
Ex9ML2	+Ex9M (TM)	-	-	-	-	-	-	-	-	-	1	1	1	0.9	0.9	0.9	-	-	-	-	-
	+Ex9M (SU)	-	-	-	1	-	-	1	-	1	-	1	-	-	-	0.95	-	-	-	-	-
Ex9ML3	+Ex9M (TM)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	0.96	0.95	0.93	0.87	-
	+Ex9M (SU)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	0.95

In order to protect the environment, when the product or its components are scrapped, please dispose of it as industrial waste or hand it over to the recycling station for disaggregation, recycling and reuse according to relevant national regulations.

In order to maintain the warranty coverage, please follow the installation instructions described in this document.

In case that the product claimed has been damaged due to improper installation procedure, the faulty item may be rejected as quality claim and warranty would not apply.

G Derating Factor

Temperature/°C	-40° ~ +70°C 24h average: ≤ 35 °C
Elevation/ m	≤ 2000m

H Maintenance Requirements

Test the leakage functionality regularly to ensure the correct long-term operation following the local regulations.



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DEFINITION OF RELIABILITY
JG9ML202311EU

Manufacturer: NOARK Electronics (Shanghai) Co., Ltd. 3857 Sixian Road, Songjiang District, Shanghai
Importer: NOARK Electric Europe s.r.o., Sezemická 2757/2, 193 00 Praha 9, Czech Republic, www.noark-electric.eu