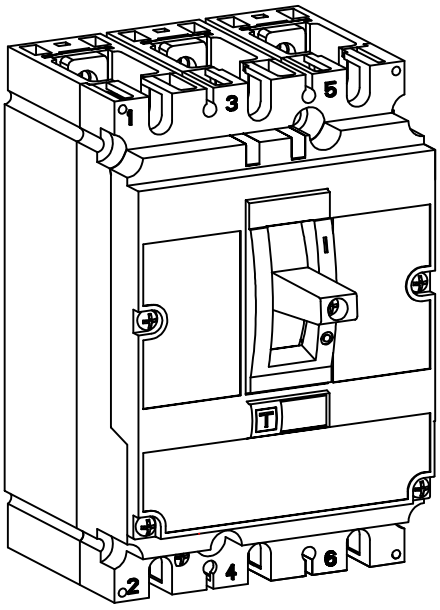
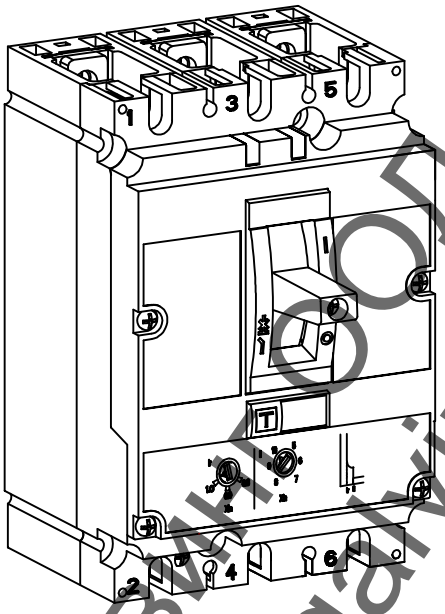
MZ-Series moulded case circuit breakers

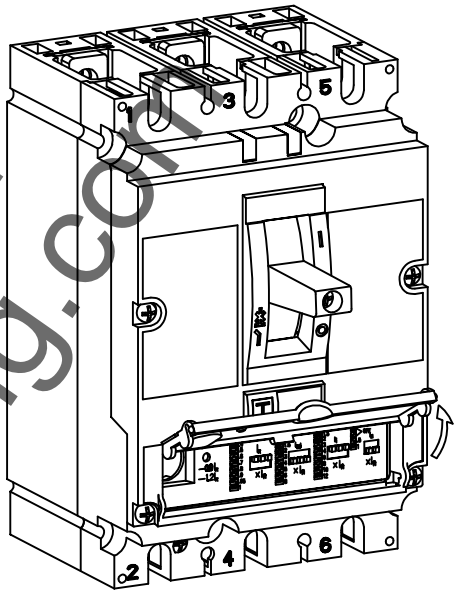
The manufacturer assumes no responsibility for damages resulting from the non-application or incorrect application of the instruction provided herein.



-N Types



-A Types



-VE Types

MZ...-N-... Load break-switches
No release unit built in, no currents can be adjusted

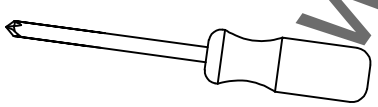
MZ1...-A...
Tripping current Ir can be adjusted, Ii is fixed at 10x In

MZ2...-A... and **MZ3...-A...**
Tripping currents Ir and Ii can be adjusted

MZ3...-VE...
Tripping currents Ir, Isd and Ii, tripping times tr and tsd can be adjusted.

Tools:

Phillips screwdriver
Hex wrench
Hex key



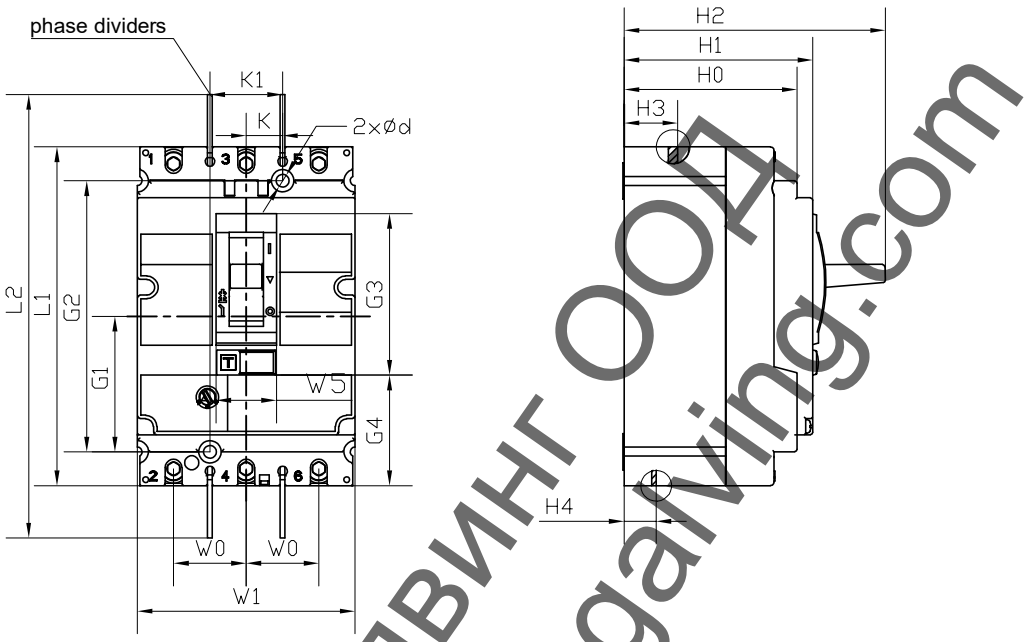


Type	Poles	Fixing	Terminals
MZ1	3P	2(M5x65)	6(M6x16)
MZ2	3P	2(M5x75)	6(M8x20)
MZ3	3P	4(M5x90)	6(M10x30)

Ташев-Галвинг ООД
www.tashev-galving.com

SCHRACK TECHNIK GMBH
Seybelgasse 13, A - 1230 Wien, **TELEFON** +43 1/866 85-0
E-MAIL info@schrack.com, **INTERNET** www.schrack.at

Dimensions of circuit breakers MZ

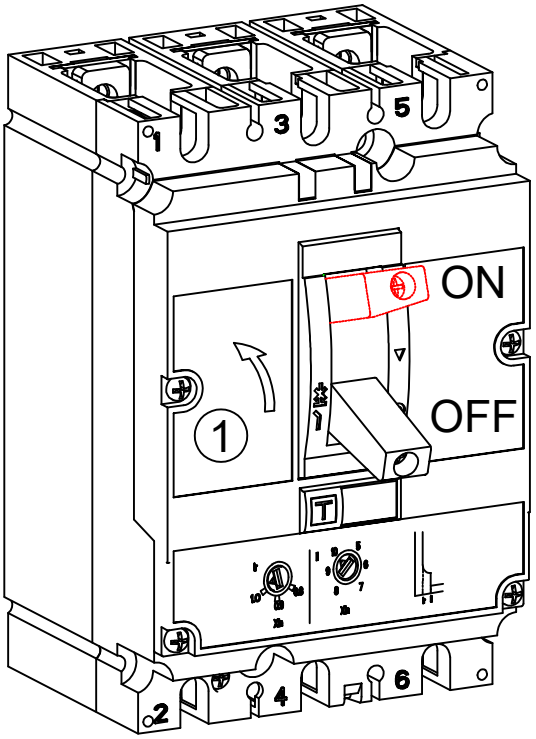


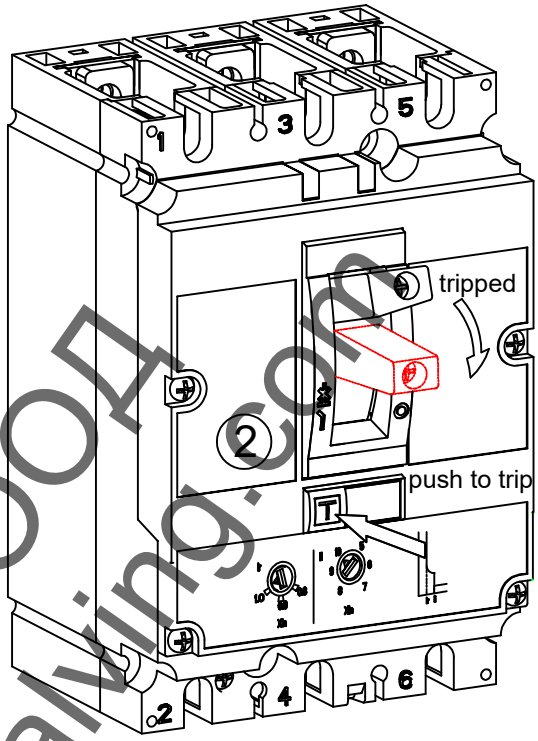
Dimensions [mm]	L1	L2	H0	H1	H2	H3	H4	K	K1	G1	G2	G3	G4	W0	W1	W5	d
MZ1	140	243	72	79	108	18,5	17,5	15	30	56	112	66,5	46	30	90	24,5	5,5
MZ2	157	373	82	88	126	22	20	17,5	35	62,5	125	75,5	47,5	35	105	26,5	5,5
MZ3	255	482	109	113	168	26	24	22,5	45	100	200	114	87	45	140	51,5	6,5

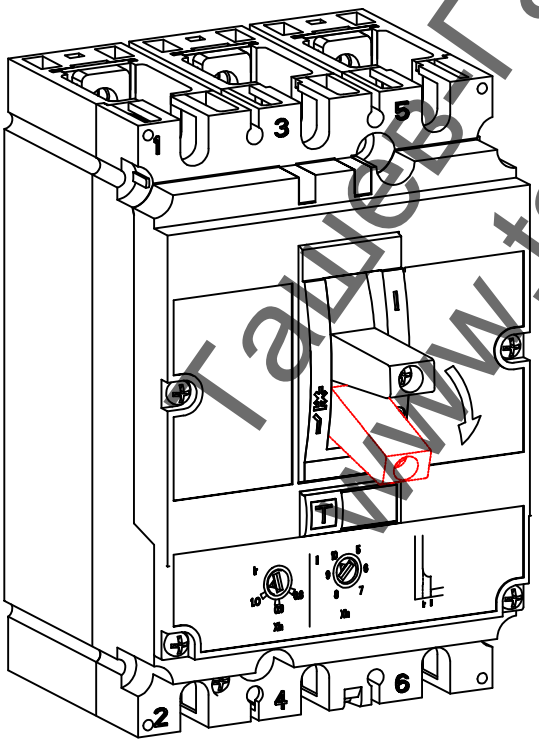
Ташев Галвинг ООД
www.tashev-galving.com

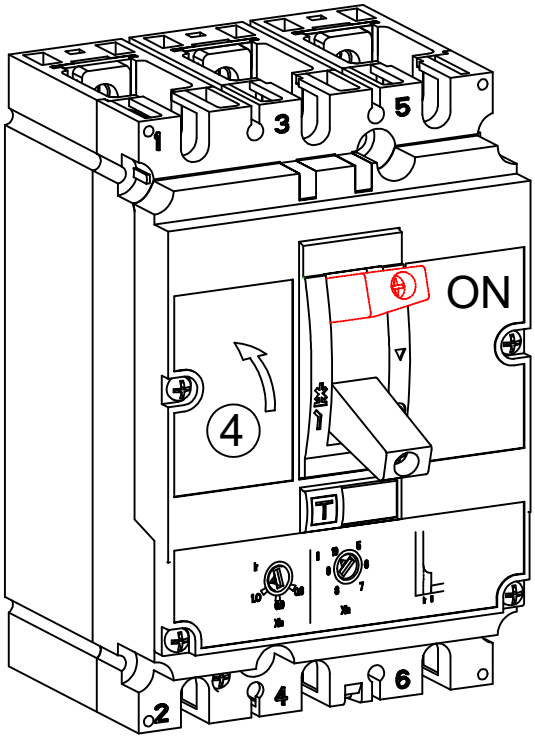
Operation of circuit breaker

Danger: Do not operate circuit breaker with wet hands





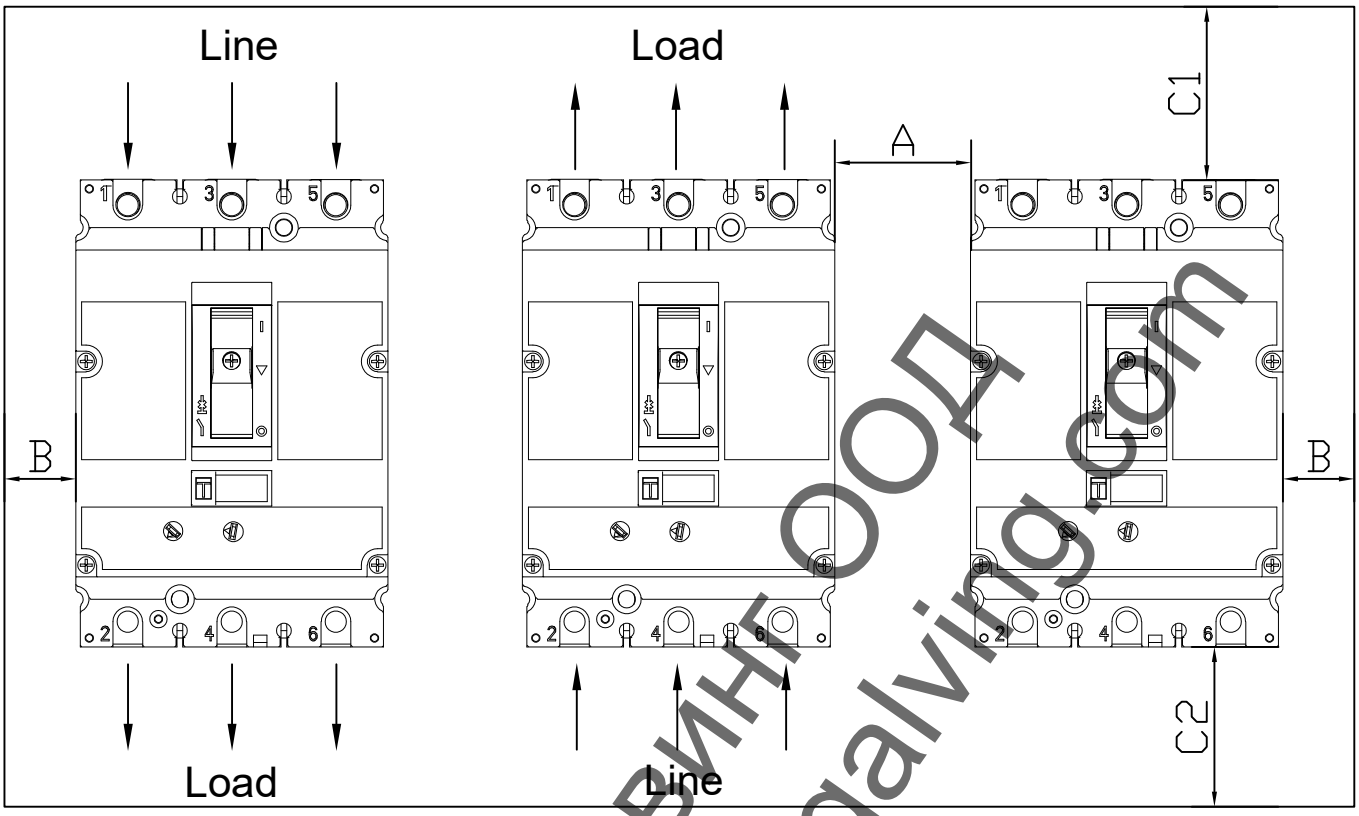




Галдев Галвинг ООД
www.tashev-galving.com

Connection and safe distances

Both Line-Load feed directions are allowed



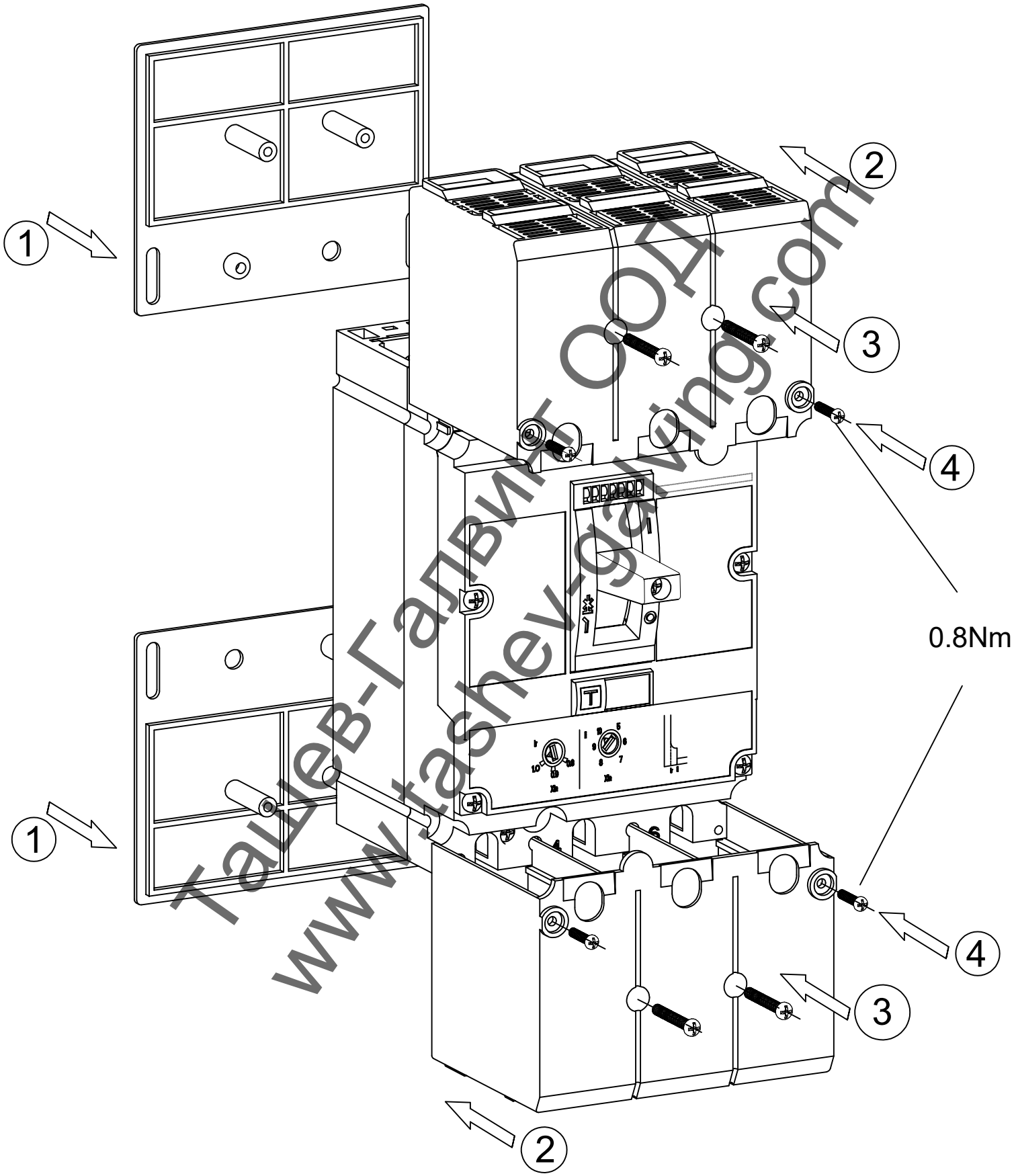
Circuit Breaker	Ue(V)	A	B	Distance to Insulated Parts		Distance to Metal Parts	
				C1	C2	C1	C2
MZ1	≤440	0	10	30	30	35	35
	<600		20	30	30	35	35
	≥600		30	30	30	35	35
MZ2	≤440		10	30	30	35	35
	<600		20	30	30	35	35
	≥600		30	30	30	35	35
MZ3	≤440		10	30	30	60	60
	<600		20	30	30	60	60
	≥600		30	30	30	100	100

Note: When voltage Ue is >500V long terminal cover has to be mounted

Ташев-Галвинг ООД
www.tashev-galving.com

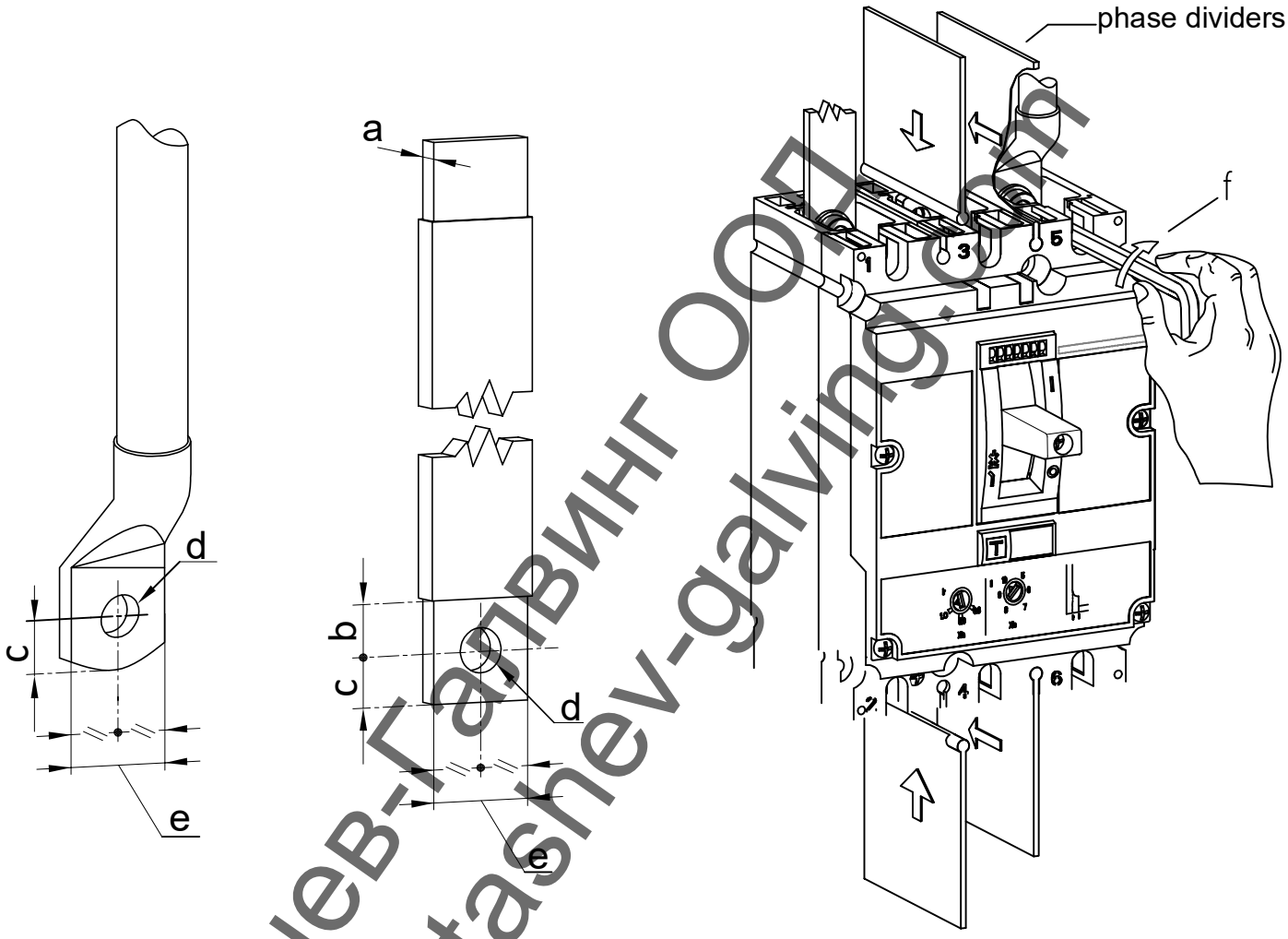
Long terminal cover

MZ.ZCL03



Ташев-Галвинг ООД
www.tashev-galving.com

Busbar and Cable-lug connection

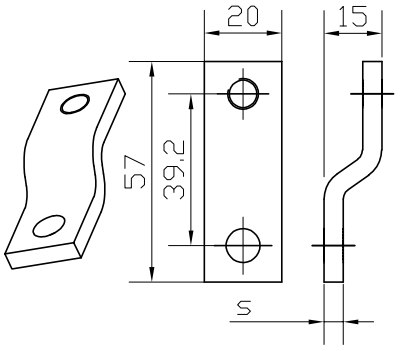


Ташев-Галвинг ООД
www.tashev-galving.com

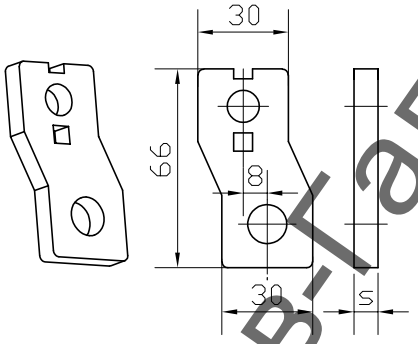
	a (mm)	b (mm)	c (mm)	d (mm)	e (mm)	f (Nm)
MZ2	5	(10...12)	<8,5	Ø8,5	25	20
MZ3	8	(10...15)	<15	Ø10,5	32	40

Front connection plates

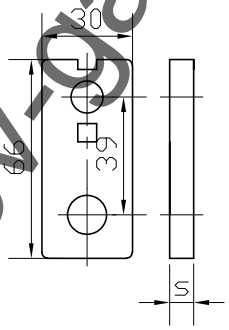
MZ2ZFC03
type S



MZ3ZFC03
type Z



type S

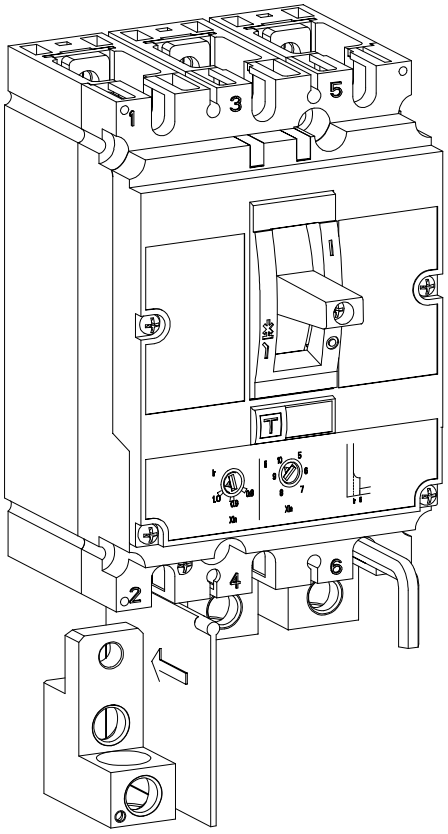


	Pole		L1	L2	L3
MZ2	3P		S	S	S
MZ3	3P		Z	S	Z

	MZ2	MZ3
s [mm]	5	8

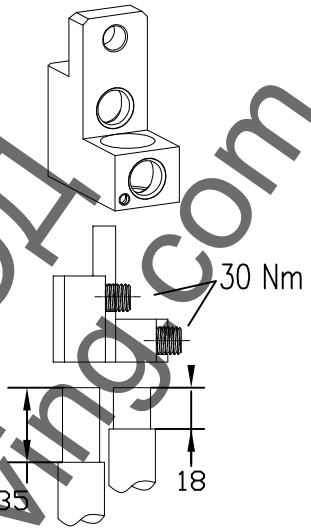
Ташев-Галвинг ООД
www.tashev-galving.com

Connection of bare cables



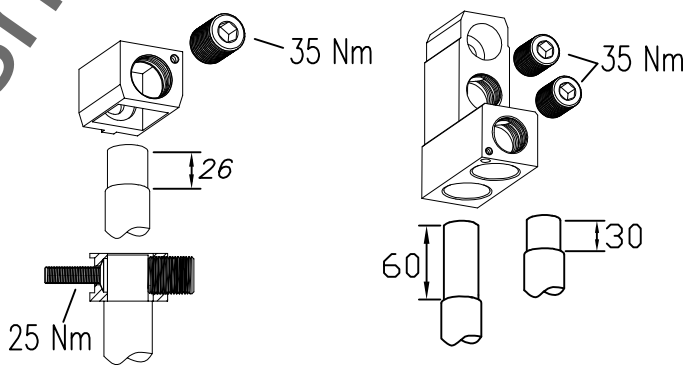
Tunnel terminals

MZ2ZTT03
2x 35...120 mm²



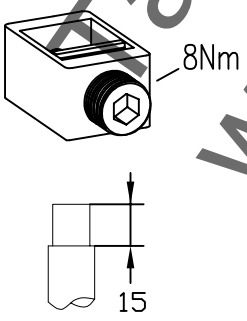
MZ3ZTT03
buit in
120...240 mm²

MZ3ZTT03M2
2x 120...240 mm²



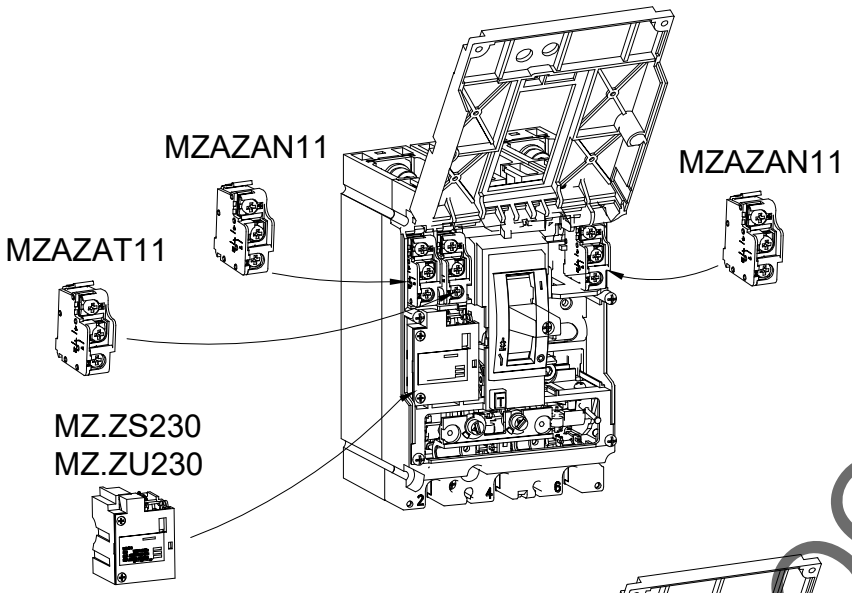
Box terminals
built in at all MZ1

MZ1ZBT03
built in
4...95 mm²

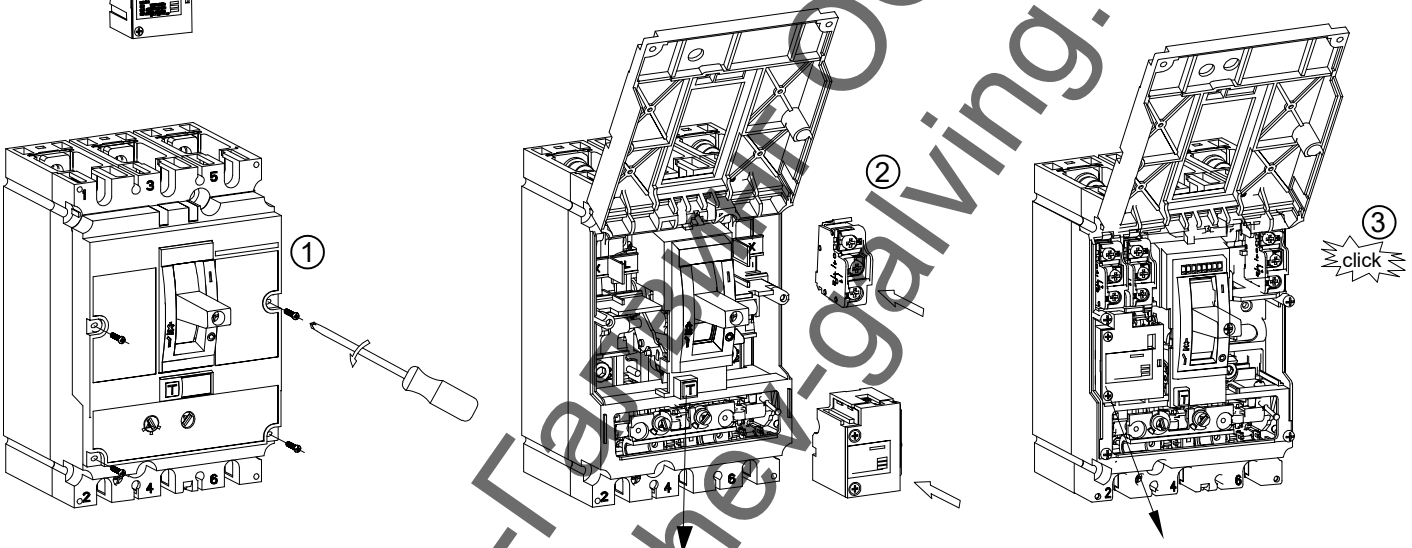


Ташев-Галвинг ООД
www.tashev-galving.com

Internal Accessories & Installation

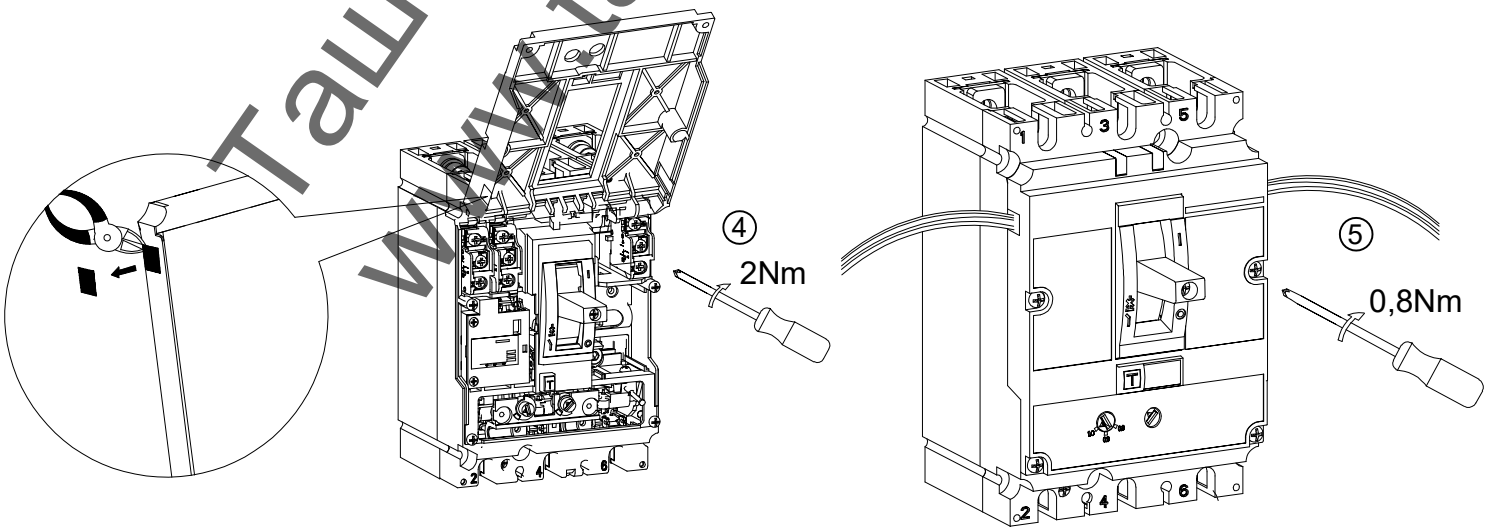


AN11	Auxiliary Contact "normal"
AT11	Auxiliary Contact "tripped"
S230	Shunt Release
U230	Undervoltage Release



Press Test button before installing S or U release

Make sure that surface of release is flush with cover



Ташев-Галвинг ООД
www.tashev-galving.com