

Thermal magnetic type S160NF

25kA

Current rating: 16 – 160A

Approvals and Tests:

Standards AS/NZS 3947-2, and IEC60947-2

Interrupting capacity:

	Voltage	Icu	Ics
AC use	230V	25	19
	125V	15	8
DC use 125V		15	-

Trip unit:

Fixed thermal and magnetic

Dimensions (mm)

Poles	1
H	165
W	35
D (less toggle)	68
Toggle cut-out	Standard DIN



Ampere Rating NRC	<i>I_r</i>	<i>I_m</i>	Cat. No.
16	16	160	S160NF 1 16
20	20	200	S160NF 1 20
25	25	250	S160NF 1 25
32	32	320	S160NF 1 32
40	40	400	S160NF 1 40
50	50	500	S160NF 1 50
63	63	630	S160NF 1 63
80	80	800	S160NF 1 80
100	100	1000	S160NF 1 100
125	125	1250	S160NF 1 125
160	160	1600	S160NF 1 160

NRC: Nominal rated current
I_r: thermal rating
I_m: magnetic rating

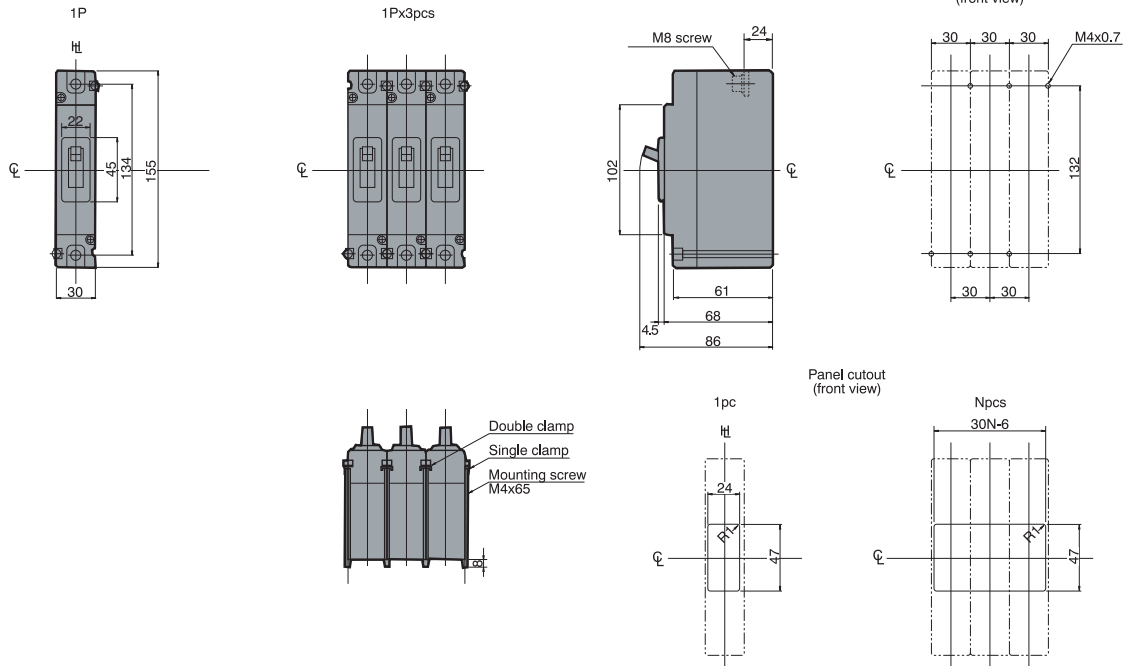
Note: For Shunt Trips, Interpole Barriers and Terminal Covers refer to accessories pages.

DIMENSIONS

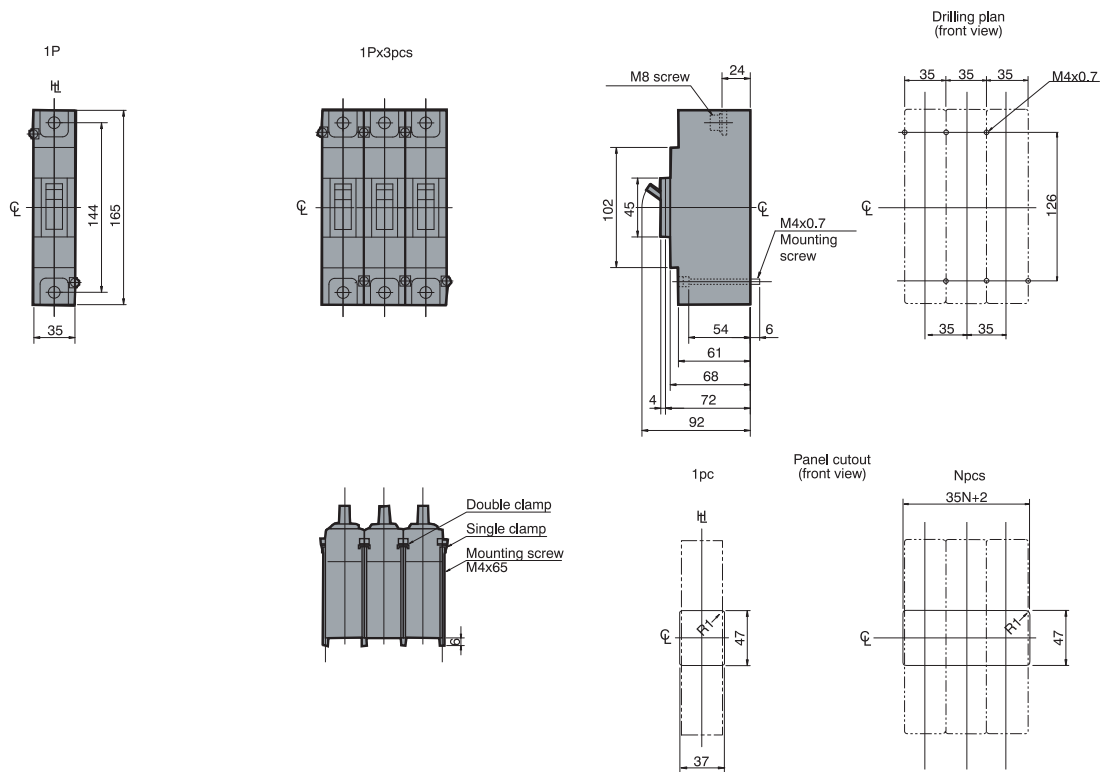
S125-NF, S160-NF

ASL: Arrangement Standard Line
HL: Handle Frame Centre Line

S125-NF Front connected



S160-NF Front connected



INSTALLATION

INSULATION DISTANCE IN mm (AT 440V AC MAXIMUM)

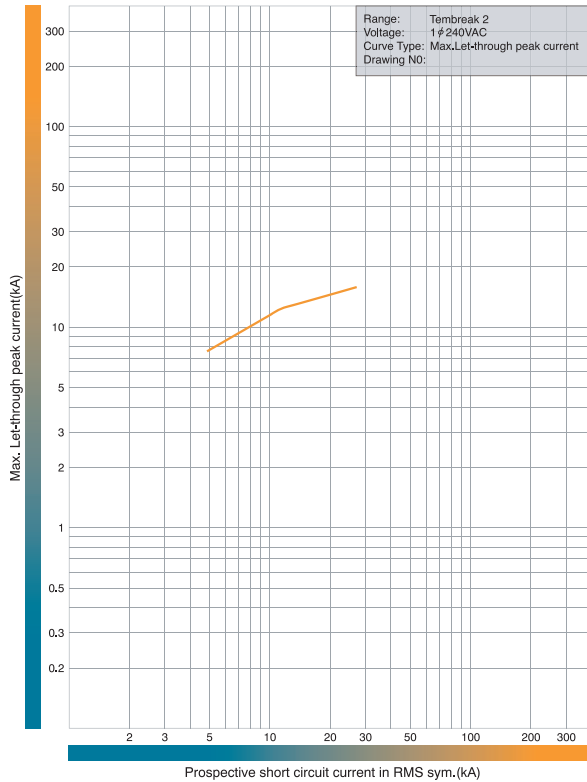
Model	Type	A	B1	B2	C	D	E
E125	NJ	50	10	10	0	25	*(1)
S125	NF	50	10	10	0	25	*(1)
S125	NJ	50	10	10	0	25	*(1)
S125	GJ	75	45	25	0	25	*(1)
H125	NJ	100	80	60	0	50	*(1)
L125	NJ	100	80	60	0	50	*(1)
S160	NF	50	40	30	0	25	*(1)
S160	NJ	50	40	30	0	25	*(1)
S160	GJ	100	80	60	0	50	*(1)
H160	NJ	100	80	60	0	50	*(1)
L160	NJ	100	80	60	0	50	*(1)
E250	NJ	50	40	30	0	25	*(1)
S250	NJ	50	40	30	0	25	*(1)
S250	GJ	100	80	30	0	25	*(1)
S250	PE	100	80	60	0	50	*(1)
H250	NJ	100	80	60	0	50	*(1)
H250	NE	100	80	60	0	50	*(1)
L250	NJ	100	80	60	0	50	*(1)
E400	NJ	100	80	40	0	30	*(1)
S400	CJ	100	80	40	0	30	*(1)
S400	NJ	100	80	40	0	30	*(1)
S400	GJ	100	80	40	0	30	*(1)
S400	GE	100	80	40	0	30	*(1)
H400	NJ	120	120	80	0	80	*(1)
H400	NE	120	120	80	0	80	*(1)
L400	NJ	120	120	80	0	80	*(1)
L400	NE	120	120	80	0	80	*(1)
E630	NE	120	100	80	0	80	*(1)
S630	CE	120	100	80	0	80	*(1)
S630	GE	120	100	80	0	80	*(1)

***Note:** (1) Insulate the exposed conductor until it overlaps the moulded case at the terminal, or the terminal cover.

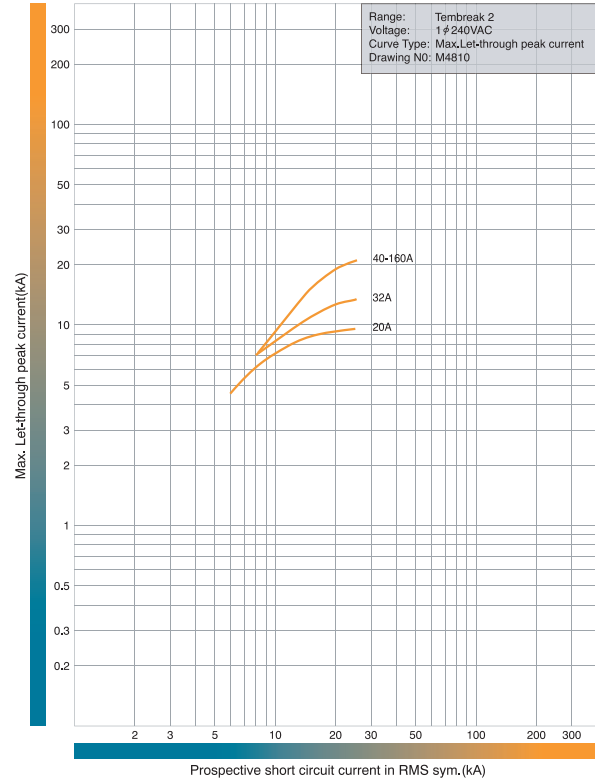
OPERATING CHARACTERISTICS

LET-THROUGH PEAK CURRENT CHARACTERISTICS

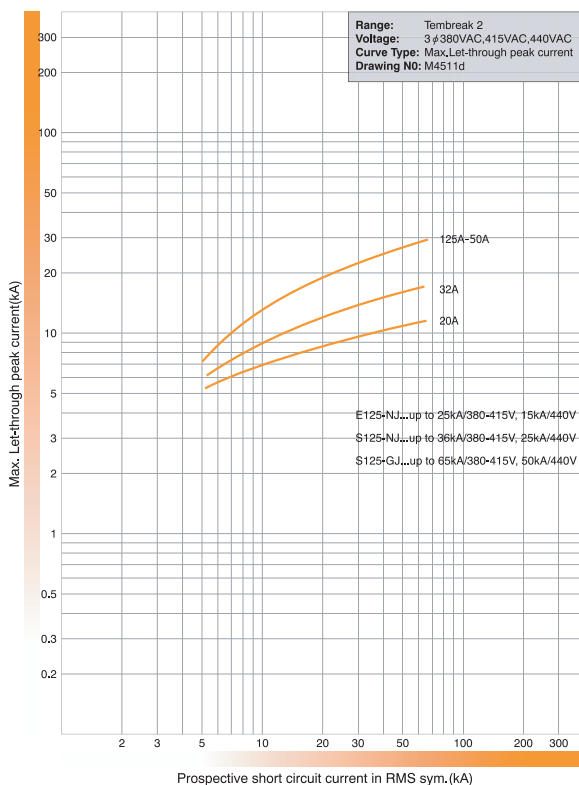
S125-NF, 240V AC



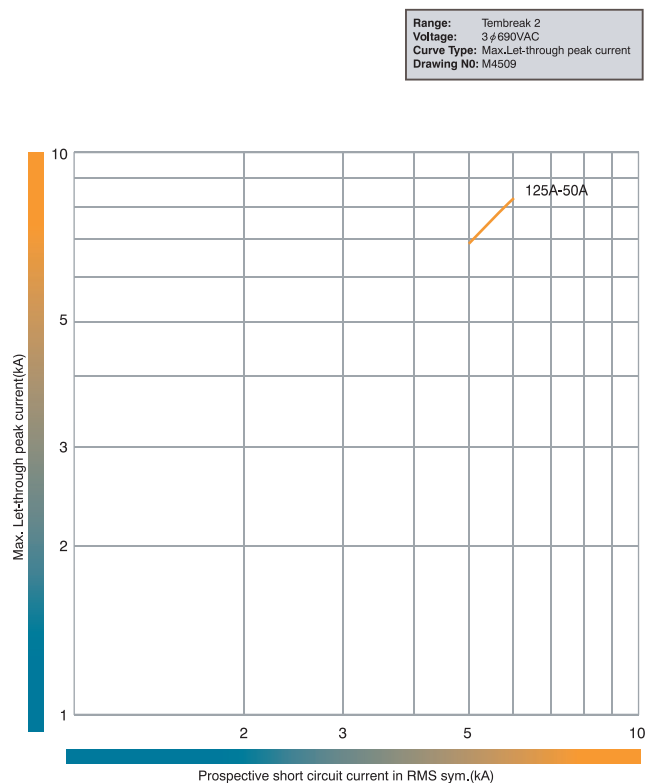
S160-NF, 240V AC.



E125-NJ, S125-NJ, S125-GJ. 440V AC.



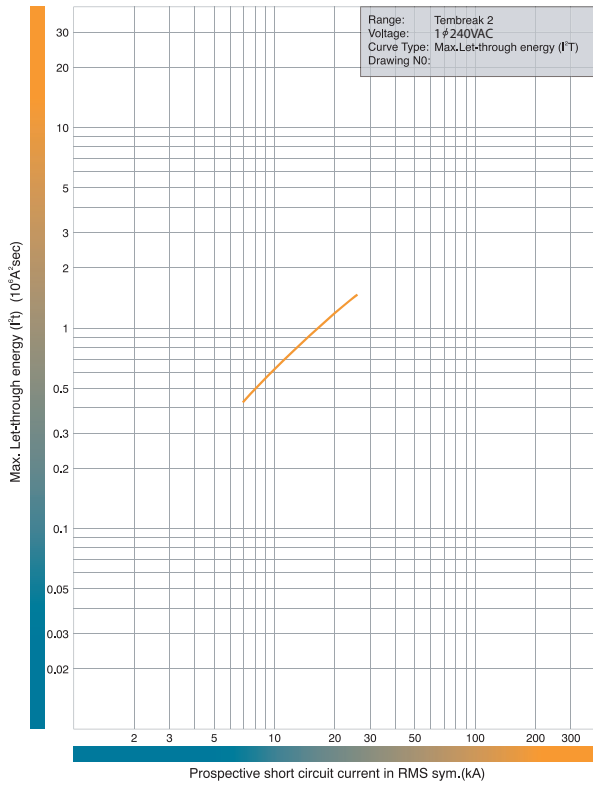
S125-NJ, S125-GJ. 690V AC.



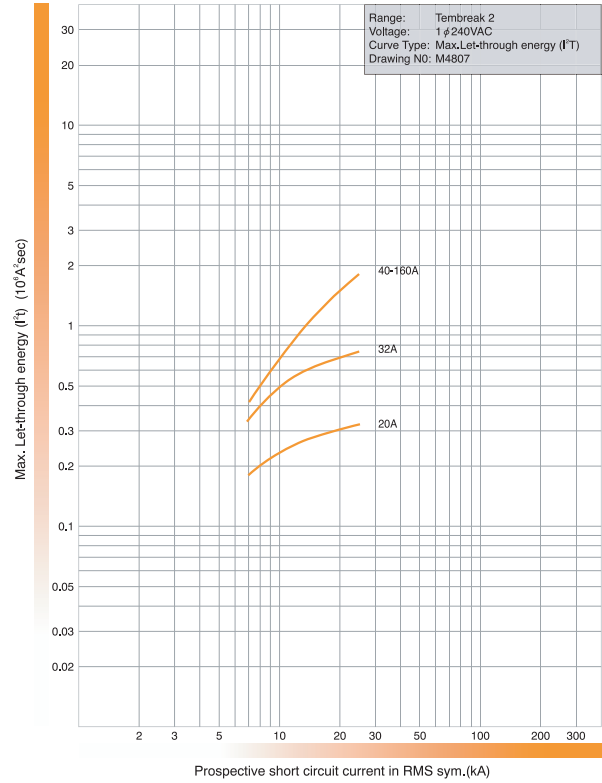
OPERATING CHARACTERISTICS

LET-THROUGH ENERGY CHARACTERISTICS

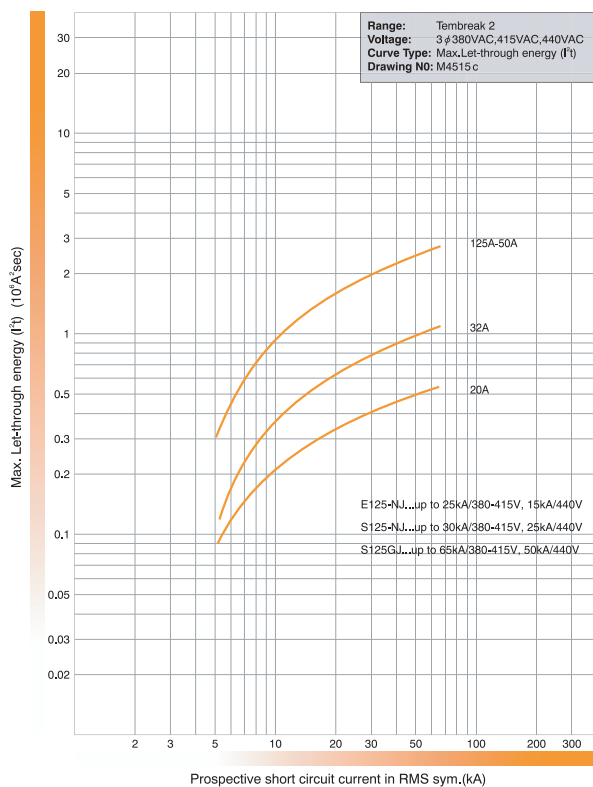
S125-NF, 240V AC



S160-NF, 240V AC



E125-NJ, S125-NJ, S125-GJ, 440V AC.



S125-NJ, S125-GJ, 690V AC.

