

3SM8N, MCCBs with thermal magnetic trip units

Independent power supply with build-in power source, directly draws power from the incoming end to avoid the risk of protection function failure caused by external p failure.

- Overload protection
- Short circuit protection
- Isolation
- Controlling
- Used in residential building, non-residential building, industry, energy and infrastructure



Overview

Алматы (7273) 495-231
Ангарск (3955) 60-70-56
Архангельск (8182) 63-90-72
Астрахань (8512) 99-46-04
Барнаул (3852) 73-04-60
Белгород (4722) 40-23-64
Благовещенск (4162) 22-76-07
Брянск (4832) 59-03-52
Владивосток (423) 249-28-31
Владикавказ (8672) 28-90-48
Владимир (4922) 49-43-18
Волгоград (844) 278-03-48
Вологда (8172) 26-41-59
Воронеж (473) 204-51-73
Екатеринбург (343) 384-55-89

Иваново (4932) 77-34-06
Ижевск (3412) 26-03-58
Иркутск (395) 279-98-46
Казань (843) 206-01-48
Калининград (4012) 72-03-81
Калуга (4842) 92-23-67
Кемерово (3842) 65-04-62
Киров (8332) 68-02-04
Коломна (4966) 23-41-49
Кострома (4942) 77-07-48
Краснодар (861) 203-40-90
Красноярск (391) 204-63-61
Курск (4712) 77-13-04
Курган (3522) 50-90-47
Липецк (4742) 52-20-81

Магнитогорск (3519) 55-03-13
Москва (495) 268-04-70
Мурманск (8152) 59-64-93
Набережные Челны (8552) 20-53-41
Нижний Новгород (831) 429-08-12
Новокузнецк (3843) 20-46-81
Ноябрьск (3496) 41-32-12
Новосибирск (383) 227-86-73
Омск (3812) 21-46-40
Орел (4862) 44-53-42
Оренбург (3532) 37-68-04
Пенза (8412) 22-31-16
Петрозаводск (8142) 55-98-37
Псков (8112) 59-10-37
Пермь (342) 205-81-47

Ростов-на-Дону (863) 308-18-15
Рязань (4912) 46-61-64
Самара (846) 206-03-16
Санкт-Петербург (812) 309-46-40
Саратов (845) 249-38-78
Севастополь (8692) 22-31-93
Саранск (8342) 22-96-24
Симферополь (3652) 67-13-56
Смоленск (4812) 29-41-54
Сочи (862) 225-72-31
Ставрополь (8652) 20-65-13
Сургут (3462) 77-98-35
Сыктывкар (8212) 25-95-17
Тамбов (4752) 50-40-97
Тверь (4822) 63-31-35

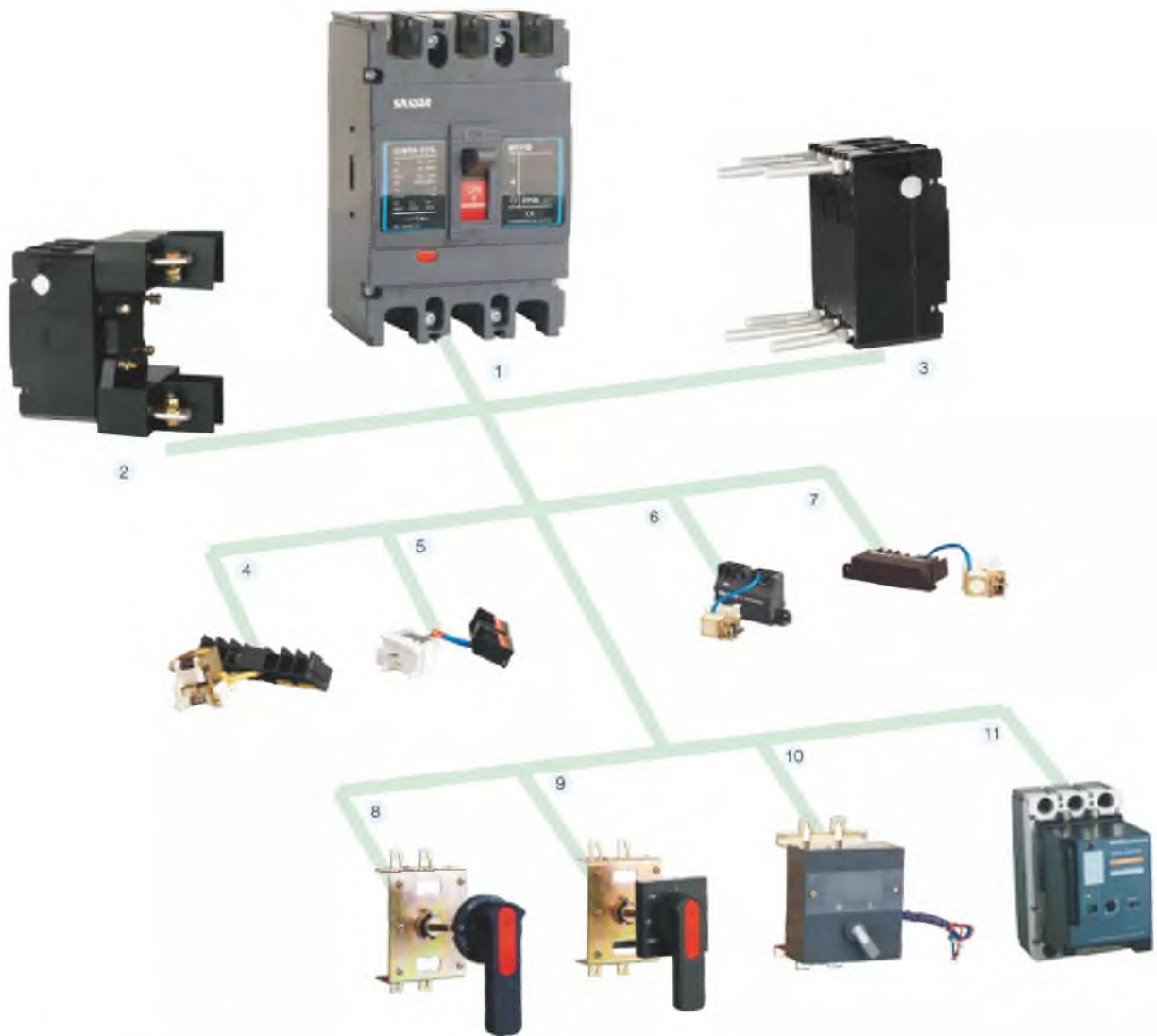
Тольятти (8482) 63-91-07
Томск (3822) 98-41-53
Тула (4872) 33-79-87
Тюмень (3452) 66-21-18
Ульяновск (8422) 24-23-59
Улан-Удэ (3012) 59-97-51
Уфа (347) 229-48-12
Хабаровск (4212) 92-98-04
Чебоксары (8352) 28-53-07
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Ярославль (4852) 69-52-93

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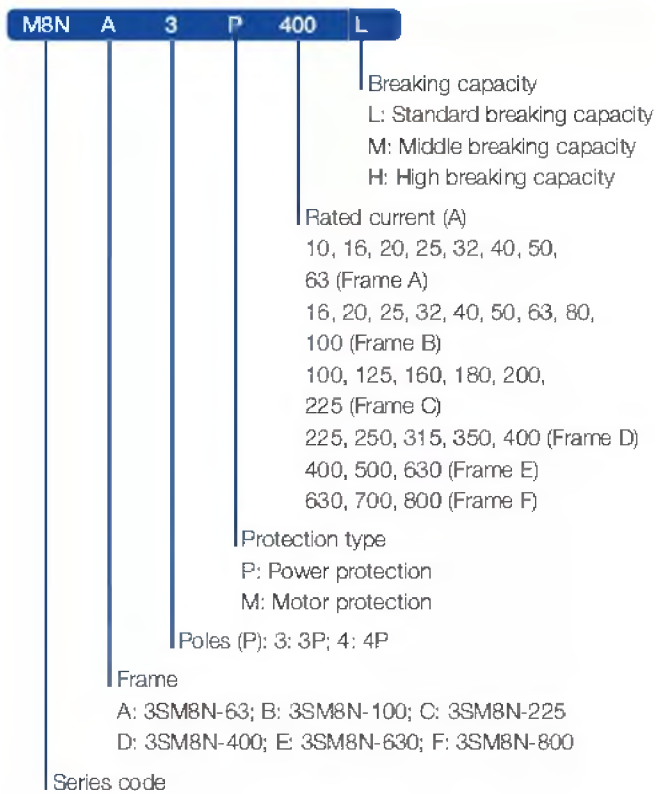
3SM8N series product overview

1 Body	5 Alarm contact	9 Rotary handle operating mechanism
2 Plug-in connection	6 Shunt release	10 Electromagnetic operating mechanism
3 Rear panel connection	7 Under-voltage release	11 Electric motor operating mechanism
4 Auxiliary contact	8 Rotary handle operating mechanism	

Applications and functions

- Incoming and outgoing function in distribution systems
- Switching and protection devices for motors, transformers and capacitors
- Disconnect or units with features for stopping and switching off in emergency mechanisms and terminal covers in conjunction with likeable rotary operating
- Available in the following versions
- Power protection: the overload and short-circuit releases are designed for the protection of cables, leads and non-motor loads
- Motor protection: the overload and short-circuit releases are designed for optimized protection and direct-on-line starting of induction squirrel-cage motors. The circuit breakers for motor protection are susceptible to phase failure and feature an adjustable trip class

Instruction of type code



- There is no frame E and F for motor protection.
- Only M type (medium breaking capacity type) has 4 poles:
 - a. 4A: N-pole fixed without over-current release unit, it has been connected all along, and does not act with other three poles to turn on or off.
 - b. 4B: N-pole fixed without over-current release unit, it acts with other three poles.
 - c. 4C: N-pole fixed with over-current release unit, it acts with other three poles.
 - d. 4D: N-pole fixed with over-current release unit, it has been connected all along, and does not act with other three poles to turn on or off.

Instruction of external structure






Technical Specifications

Type	3SM8N-63		3SM8N-100			3SM8N-225			3SM8N-400			3SM8N-630			3SM8N-800	
Standards	IEC 60947-2		IEC 60947-2			IEC 60947-2			IEC 60947-2			IEC 60947-2			IEC 60947-2	
Approval	IEC 60947-4-1		IEC 60947-4-1			IEC 60947-4-1			IEC 60947-4-1			IEC 60947-4-1			IEC 60947-4-1	
Frame type	A		B			C			D			E			F	
Class of breaking capacity	L	M	L	M	H	L	M	H	L	M	H	L	M	H	M	H
Number of poles	3	3,4	3	3,4	3	3	3,4	3	3	3,4	3	3	3,4	3	3,4	3
Frame Current Inm (A)	63		100			225			400			630			800	
Rated current In (A)	10, 16, 20, 25, 32, 40, 50, 63		16, 20, 25, 32, 40, 50, 63, 80, 100			100, 125, 160, 180, 200, 225			225, 250, 315, 350, 400			400, 500, 630			630, 700, 800	
Rated insulating voltage Ui (V)	500		800			800			800			800			800	
Rated operating voltage, Ue (V)	400		400 690 400			400 690 400			400 690 400			400 690 400			690 400	
Rated frequency (Hz)	50/60		50/60			50/60			50/60			50/60			50/60	
Rated impulsive withstand voltage, Uimp (kV)	6		8			8			8			8			8	
Rated ultimate short-circuit breaking capacity, Icu (AC) 50-60 Hz 400 V O-CO (kA)	25	50	35	50	85	35	50	85	50	65	100	50	65	100	65	100
(AC) 50-60 Hz 690 V O-CO (kA)	-	-	-	20	-	-	20	-	-	20	-	-	20	-	20	-
Rated operating short-circuit breaking capacity, Ics (AC) 50-60 Hz 400 V O-CO-CO (kA)	18	35	22	35	50	22	35	50	35	42	65	35	42	65	42	65
(AC) 50-60 Hz 690 V O-CO-CO (kA)	-	-	-	10	-	-	10	-	-	10	-	-	10	-	15	-
Mechanical life (times)	8000		8000			8000			7500			7500			7500	
Electrical life (times.)	1500		1500			1000			1000			1000			500	
Flashover distance (mm)	≤ 50		≤ 50			≤ 50			≤ 50			≤ 100			≤ 100	
Thermal magnetic release	■		■			■			■			■			■	
Electronic release	-		-			-			-			-			-	
Utilization category (IEC 60947-2)	A		A			A			A			A			A	
Under-voltage release	■		■			■			■			■			■	
Shunt-release	■		■			■			■			■			■	
Auxiliary contact	■		■			■			■			■			■	
Alarm Contact	■		■			■			■			■			■	
Weight	-		-			-			-			-			-	
Ambient temperature	-5 to +40 °C , max. 95% humidity															
Storage temperature	-40 to +75 °C															
Altitude (Max)	2000															

Selection and ordering data

	Breaking capacity at 400 V AC	Rated current In (A)	Number of Poles	Power distribution		Motor protection		
				Type code	Order code	Type code	Order code	
For 4 poles, please complete the code by adding N-pole code.								
Frame A 3SM8N-63	L	16	3	M8NA 3P16L	25016	M8NA 3M16L	10139	
		25 kA	20	3	M8NA 3P20L	25017	M8NA 3M20L	10140
		25	3	M8NA 3P25L	25018	M8NA 3M25L	10141	
		32	3	M8NA 3P32L	25019	M8NA 3M32L	10142	
		40	3	M8NA 3P40L	25020	M8NA 3M40L	10143	
		50	3	M8NA 3P50L	25021	M8NA 3M50L	10144	
	M	50 kA	63	3	M8NA 3P63L	25022	M8NA 3M63L	10145
			16	3	M8NA 3P16M	25025	M8NA 3M16M	10148
			20	4	M8NA 4*P16M	25034*	M8NA 4*M16M	10157*
			20	3	M8NA 3P20M	25026	M8NA 3M20M	10149
			20	4	M8NA 4*P20M	25035*	M8NA 4*M20M	10158*
			25	3	M8NA 3P25M	25027	M8NA 3M25M	10150
			25	4	M8NA 4*P25M	25036*	M8NA 4*M25M	10159*
			32	3	M8NA 3P32M	25028	M8NA 3M32M	10151
			32	4	M8NA 4*P32M	25037*	M8NA 4*M32M	10160*
			40	3	M8NA 3P40M	25029	M8NA 3M40M	10152
			40	4	M8NA 4*P40M	25038*	M8NA 4*M40M	10161*
			50	3	M8NA 3P50M	25030	M8NA 3M50M	10153
			50	4	M8NA 4*P50M	25039*	M8NA 4*M50M	10162*
63	3	M8NA 3P63M	25031	M8NA 3M63M	10154			
63	4	M8NA 4*P63M	25040*	M8NA 4*M63M	10163*			
Frame B 3SM8N-100	L	16	3	M8NB 3P016L	25041	M8NB 3M016L	10164	
		35 kA	20	3	M8NB 3P020L	25042	M8NB 3M020L	10165
		25	3	M8NB 3P025L	25043	M8NB 3M025L	10166	
		32	3	M8NB 3P032L	25044	M8NB 3M032L	10167	
		40	3	M8NB 3P040L	25045	M8NB 3M040L	10168	
		50	3	M8NB 3P050L	25046	M8NB 3M050L	10169	
		63	3	M8NB 3P063L	25047	M8NB 3M063L	10170	
		80	3	M8NB 3P080L	25048	M8NB 3M080L	10171	
	M	50 kA	100	3	M8NB 3P100L	25049	M8NB 3M100L	10172
			16	3	M8NB 3P16M	25050	M8NB 3M16M	10173
			20	4	M8NB 4*P16M	25059*	M8NB 4*M16M	10182*
			20	3	M8NB 3P20M	25051	M8NB 3M20M	10174
			20	4	M8NB 4*P20M	25060*	M8NB 4*M20M	10183*
			25	3	M8NB 3P25M	25052	M8NB 3M25M	10175
			25	4	M8NB 4*P25M	25061*	M8NB 4*M25M	10184*
			32	3	M8NB 3P32M	25053	M8NB 3M32M	10176
			32	4	M8NB 4*P32M	25062*	M8NB 4*M32M	10185*
			40	3	M8NB 3P40M	25054	M8NB 3M40M	10177
			40	4	M8NB 4*P40M	25063*	M8NB 4*M40M	10186*
			50	3	M8NB 3P50M	25055	M8NB 3M50M	10178
			50	4	M8NB 4*P50M	25064*	M8NB 4*M50M	10187*
			63	3	M8NB 3P63M	25056	M8NB 3M63M	10179
63	4	M8NB 4*P63M	25065*	M8NB 4*M63M	10188*			
80	3	M8NB 3P80M	25057	M8NB 3M80M	10180			
80	4	M8NB 4*P80M	25066*	M8NB 4*M80M	10189*			
100	3	M8NB 3P100M	25058	M8NB 3M100M	10181			
100	4	M8NB 4*P100M	25067*	M8NB 4*M100M	10190*			

Selection and ordering data

	Breaking capacity at 400 V AC	Rated current I _n (A)	Number of Poles	Power distribution		Motor protection	
				Type code	Order code	Type code	Order code
For 4 poles, please complete the code by adding N-pole code.							
Frame B 3SM8N-100 	H 85 kA	16	3	M8NB 3P016H	25068	M8NB 3M016H	10191
		20	3	M8NB 3P020H	25069	M8NB 3M020H	10192
		25	3	M8NB 3P025H	25070	M8NB 3M025H	10193
		32	3	M8NB 3P032H	25071	M8NB 3M032H	10194
		40	3	M8NB 3P040H	25072	M8NB 3M040H	10195
		50	3	M8NB 3P050H	25073	M8NB 3M050H	10196
		63	3	M8NB 3P063H	25074	M8NB 3M063H	10197
		80	3	M8NB 3P080H	25075	M8NB 3M080H	10198
Frame C 3SM8N-225 	L 35 kA	100	3	M8NC 3P100L	25077	M8NC 3M100L	10200
		125	3	M8NC 3P125L	25078	M8NC 3M125L	10201
		160	3	M8NC 3P160L	25079	M8NC 3M160L	10202
		180	3	M8NC 3P180L	25080	M8NC 3M180L	10203
		200	3	M8NC 3P200L	25081	M8NC 3M200L	10204
		225	3	M8NC 3P225L	25082	M8NC 3M225L	10205
	M 50 kA	100	3	M8NC 3P100M	25083	M8NC 3M100M	10206
			4	M8NC 4*P100M	25089*	M8NC 4*M100M	10212*
		125	3	M8NC 3P125M	25084	M8NC 3M125M	10207
			4	M8NC 4*P125M	25090*	M8NC 4*M125M	10213*
		160	3	M8NC 3P160M	25085	M8NC 3M160M	10208
			4	M8NC 4*P160M	25091*	M8NC 4*M160M	10214*
		180	3	M8NC 3P180M	25086	M8NC 3M180M	10209
			4	M8NC 4*P180M	25092*	M8NC 4*M180M	10215*
		200	3	M8NC 3P200M	25087	M8NC 3M200M	10210
			4	M8NC 4*P200M	25093*	M8NC 4*M200M	10216*
		225	3	M8NC 3P225M	25088	M8NC 3M225M	10211
			4	M8NC 4*P225M	25094*	M8NC 4*M225M	10217*
H 85 kA	100	3	M8NC 3P100H	25095	M8NC 3M100H	10218	
	125	3	M8NC 3P125H	25096	M8NC 3M125H	10219	
	160	3	M8NC 3P160H	25097	M8NC 3M160H	10220	
	180	3	M8NC 3P180H	25098	M8NC 3M180H	10221	
	200	3	M8NC 3P200H	25099	M8NC 3M200H	10222	
	225	3	M8NC 3P225H	25100	M8NC 3M225H	10223	
Frame D 3SM8N-400 	L 50 kA	225	3	M8ND 3P225L	25101	M8ND 3M225L	10224
		250	3	M8ND 3P250L	25102	M8ND 3M250L	10225
		315	3	M8ND 3P315L	25103	M8ND 3M315L	10226
		350	3	M8ND 3P350L	25104	M8ND 3M350L	10227
		400	3	M8ND 3P400L	25105	M8ND 3M400L	10228
		M 65 kA	225	3	M8ND 3P225M	25106	M8ND 3M225M
			4	M8ND 4*P225M	25111*	M8ND 4*M225M	10234*
	250		3	M8ND 3P250M	25107	M8ND 3M250M	10230
			4	M8ND 4*P250M	25112*	M8ND 4*M250M	10235*
	315		3	M8ND 3P315M	25108	M8ND 3M315M	10231
			4	M8ND 4*P315M	25113*	M8ND 4*M315M	10236*
	350		3	M8ND 3P350M	25109	M8ND 3M350M	10232
			4	M8ND 4*P350M	25114*	M8ND 4*M350M	10237*
		400	3	M8ND 3P400M	25110	M8ND 3M400M	10233
	4	M8ND 4*P400M	25115*	M8ND 4*M400M	10238*		

Selection and ordering data

	Breaking capacity at 400 V AC	Rated current In (A)	Number of Poles	Power distribution		Motor protection	
				Type code	Order code	Type code	Order code
For 4 poles, please complete the code by adding N-pole code.							
Frame D 3SM8N-400	H 100 kA	225	3	M8ND 3P225H	25116	M8ND 3M225H	10239
		250	3	M8ND 3P250H	25117	M8ND 3M250H	10240
		315	3	M8ND 3P315H	25118	M8ND 3M315H	10241
		350	3	M8ND 3P350H	25119	M8ND 3M350H	10242
		400	3	M8ND 3P400H	25120	M8ND 3M400H	10243
Frame E 3SM8N-630	L 50 kA	400	3	M8NE 3P400L	25121	-	-
		500	3	M8NE 3P500L	25122	-	-
		630	3	M8NE 3P630L	25123	-	-
		400	3	M8NE 3P400M	25124	-	-
	M 65 kA	400	3	M8NE 3P400M	25124	-	-
		500	3	M8NE 3P500M	25125	-	-
		630	3	M8NE 3P630M	25126	-	-
		400	3	M8NE 3P400H	25130	-	-
	H 100 kA	500	3	M8NE 3P500H	25131	-	-
		630	3	M8NE 3P630H	25132	-	-
		400	4	M8NE 4*P400M	25127*	-	-
		500	4	M8NE 4*P500M	25128*	-	-
630		4	M8NE 4*P630M	25129*	-	-	
400		4	M8NE 4*P400H	25133	-	-	
500		4	M8NE 4*P500H	25134	-	-	
630		4	M8NE 4*P630H	25135	-	-	
Frame F 3SM8N-800	M 65 kA	630	3	M8NF 3P630M	25133	-	-
		700	3	M8NF 3P700M	25134	-	-
		800	3	M8NF 3P800M	25135	-	-
		630	4	M8NF 4*P630M	25136*	-	-
		700	4	M8NF 4*P700M	25137*	-	-
	H 100 kA	630	3	M8NF 3P630H	25139	-	-
		700	3	M8NF 3P700H	25140	-	-
		800	3	M8NF 3P800H	25141	-	-
		630	4	M8NF 4*P630M	25138*	-	-
		700	4	M8NF 4*P700M	25139*	-	-



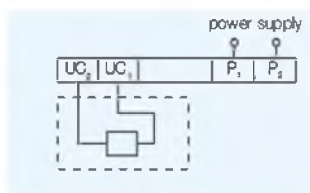
Accessories

- Under-voltage release

When voltage is 35 %-70 % of rated voltage, the under voltage release should make the breaker reliable operation.

When the voltage is more than 85 %~110 % of rated voltage, the under voltage release should make the breaker reliable operation.

When voltage is less than 35 % of rated voltage, the under voltage release should prevent breaker from making.

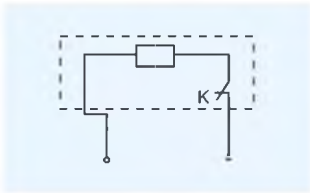


Frame	Rated voltage	Type code	Order code	
		A	3SM8N-63	230V AC
	400V AC	M8NA UR400A	25160	
B	3SM8N-100	230V AC	M8NB UR230A	25155
	400V AC	M8NB UR400A	25161	
C	3SM8N-225	230V AC	M8NC UR230A	25156
	400V AC	M8NC UR400A	25162	
D	3SM8N-400	230V AC	M8ND UR230A	25157
	400V AC	M8ND UR400A	25163	
E	3SM8N-630	230V AC	M8NE UR230A	25158
	400V AC	M8NE UR400A	25164	
F	3SM8N-800	230V AC	M8NF UR230A	25159
	400V AC	M8NF UR400A	25165	

Accessories

● Shunt release

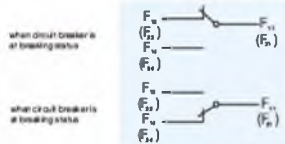
In 70% ~ 110% of the rated voltage, the breaker can reliably operate.



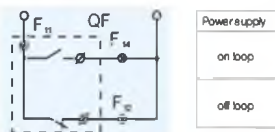
Frame	Rated voltage	Type code	
		Type code	Order code
A 3SM8N-63	230 V AC	M8NA SR230A	25142
	400 V AC	M8NA SR400A	25148
	110 V DC	M8NA SR110D	10244
	220 V DC	M8NA SR220D	10250
B 3SM8N-100	230 V AC	M8NB SR230A	25143
	400 V AC	M8NB SR400A	25149
	110 V DC	M8NB SR110D	10245
	220 V DC	M8NB SR220D	10251
C 3SM8N-225	230 V AC	M8NC SR230A	25144
	400 V AC	M8NC SR400A	25150
	110 V DC	M8NC SR110D	10246
	220 V DC	M8NC SR220D	10252
D 3SM8N-400	230 V AC	M8ND SR230A	25145
	400 V AC	M8ND SR400A	25151
	110 V DC	M8ND SR110D	10247
	220 V DC	M8ND SR220D	10253
E 3SM8N-630	230 V AC	M8NE SR230A	25146
	400 V AC	M8NE SR400A	25152
	110 V DC	M8NE SR110D	10248
	220 V DC	M8NE SR220D	10254
F 3SM8N-800	230 V AC	M8NF SR230A	25147
	400 V AC	M8NF SR400A	25153
	110 V DC	M8NF SR110D	10249
	220 V DC	M8NF SR220D	10255

● Auxiliary contact

Indication of contacting status.



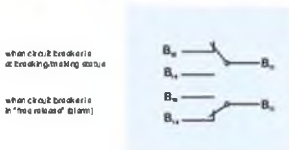
Connection chart



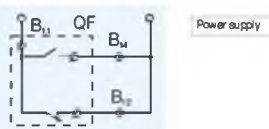
Frame	Position	Type code	
		Type code	Order code
A 3SM8N-63	Left	M8NA ACL	25166
	Right	M8NA ACR	10256
B 3SM8N-100	Left	M8NB ACL	25167
	Right	M8NB ACR	10257
C 3SM8N-225	Left	M8NC ACL	25168
	Right	M8NC ACR	10258
D 3SM8N-400	Left	M8ND ACL	25169
	Right	M8ND ACR	10259
E 3SM8N-630	Left	M8NE ACL	25170
	Right	M8NE ACR	10260
F 3SM8N-800	Left	M8NF ACL	25171
	Right	M8NF ACR	10261

● Alarm contact

Indication of contacting status.



Connection chart



Frame	Type code	Order code	
		Type code	Order code
A 3SM8N-63	M8NA AMC	25172	
B 3SM8N-100	M8NB AMC	25173	
C 3SM8N-225	M8NC AMC	25174	
D 3SM8N-400	M8ND AMC	25175	
E 3SM8N-630	M8NE AMC	25176	
F 3SM8N-800	M8NF AMC	25177	

Tripping Characteristic

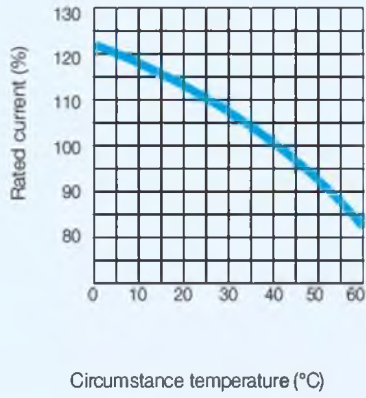
For power distribution

No.	Test current	I/In	Conventional time	Start status
1	Conventional non-trip current	1.05	2h (In > 63 A), 1h (In ≤ 63 A)	Cold status
2	Conventional trip current	1.3	2h (In > 63 A), 1h (In ≤ 63 A)	Right after test No.1

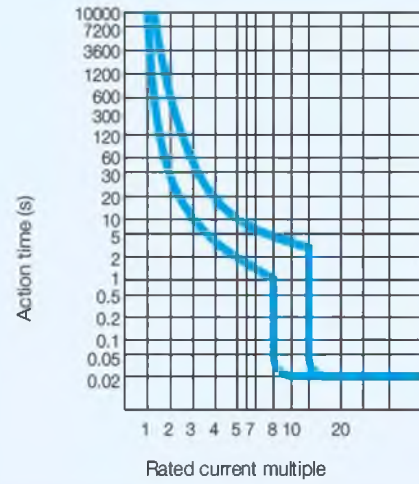
For motor protection

No.	Operational current	Conventional time	Start status	Remark
1	1.0 In	2 h	Cold status	-
2	1.2 In	≤ 2 h	Right after test No.1	-
3	1.5 In	≤ 4 min	Cold status	10 ≤ In ≤ 225
		≤ 8 min	Cold status	225 ≤ In ≤ 630
4	7.2 In	4 s ≤ T ≤ 0 s	Cold status	10 ≤ In ≤ 225
		6 s ≤ T ≤ 20 s	Cold status	225 ≤ In ≤ 635

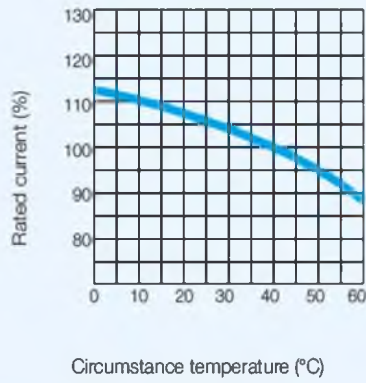
3SM8N-63,100 (10~32 A) Temperature emendation curve



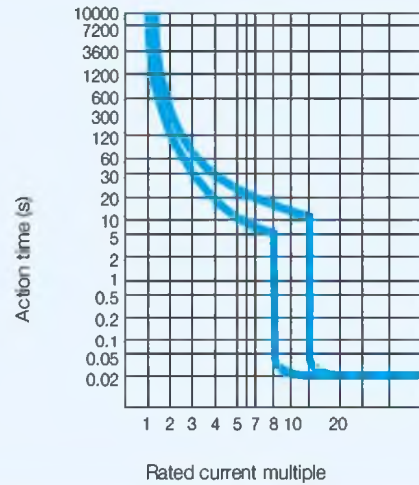
3SM8N-63,100 (10~32 A) Characteristic curve



3SM8N-63,100 (40~100 A) Temperature emendation curve

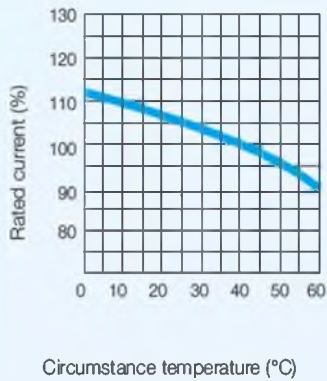


3SM8N-63,100 (40~100 A) Characteristic curve

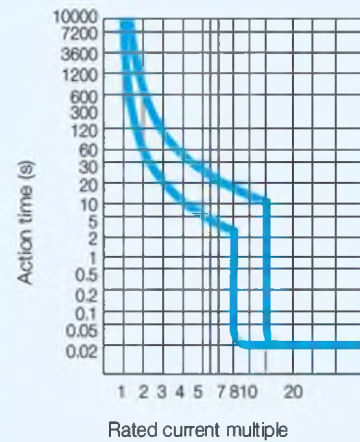


Temperature performance curve

3SM8N-225 Temperature emendation curve



3SM8N-225 Characteristic curve

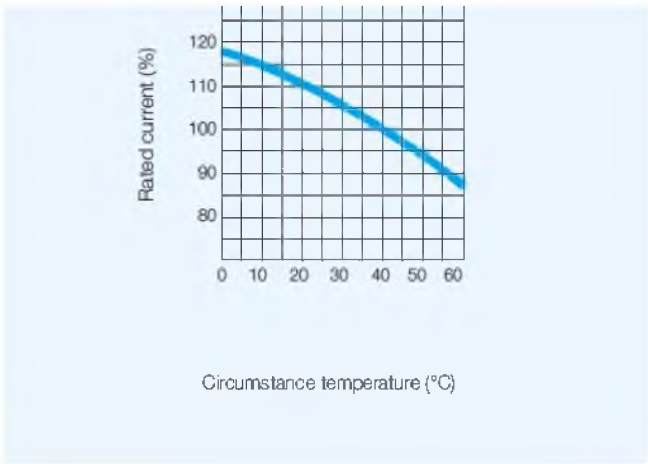


3SM8N-400 Temperature emendation curve

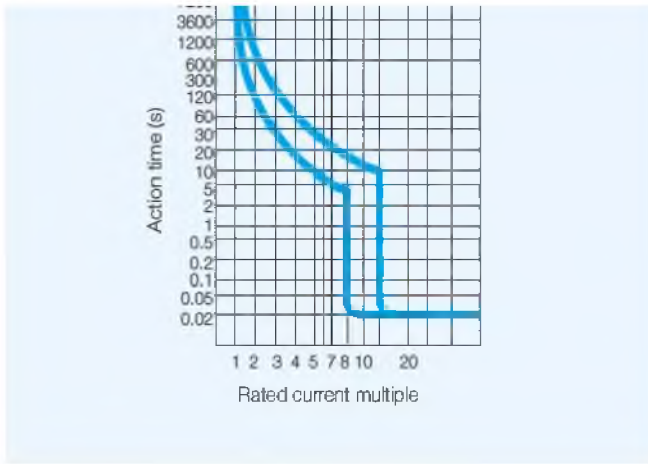


3SM8N-400 Characteristic curve

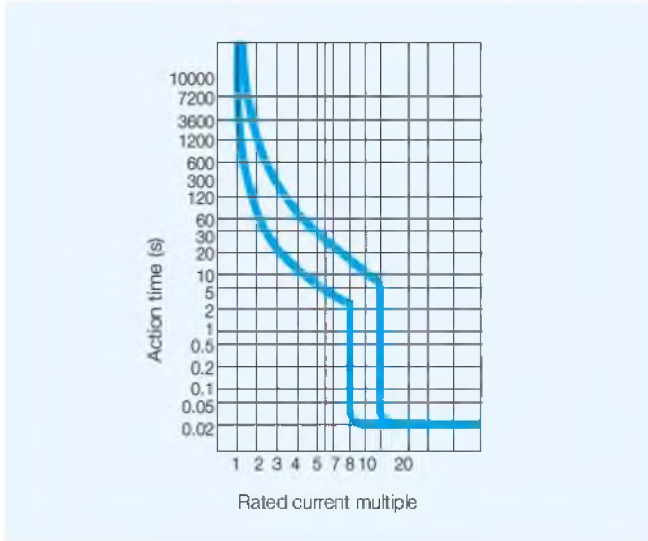
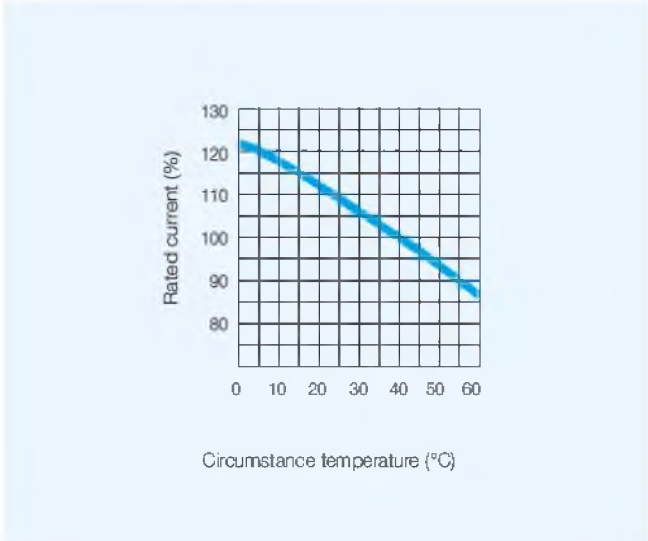




3SM8N-630,800 Temperature emendation curve

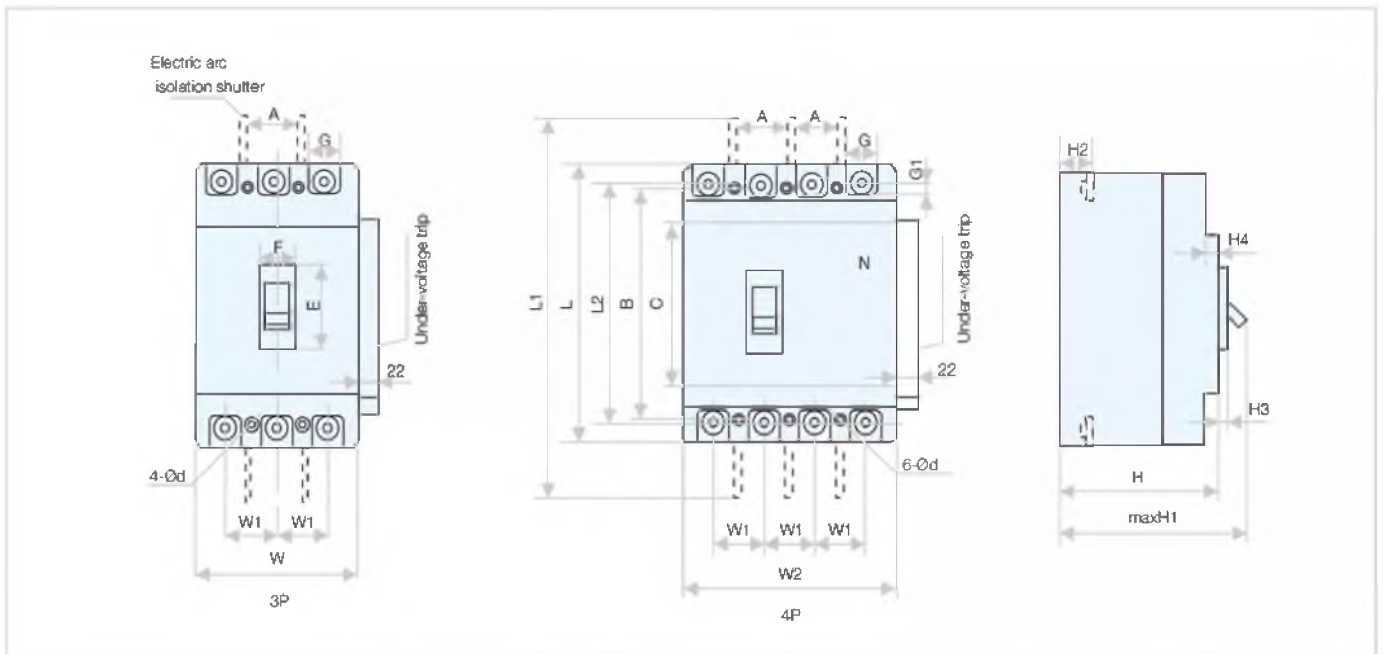


3SM8N-630,800 Characteristic curve



Outline and installation dimensions

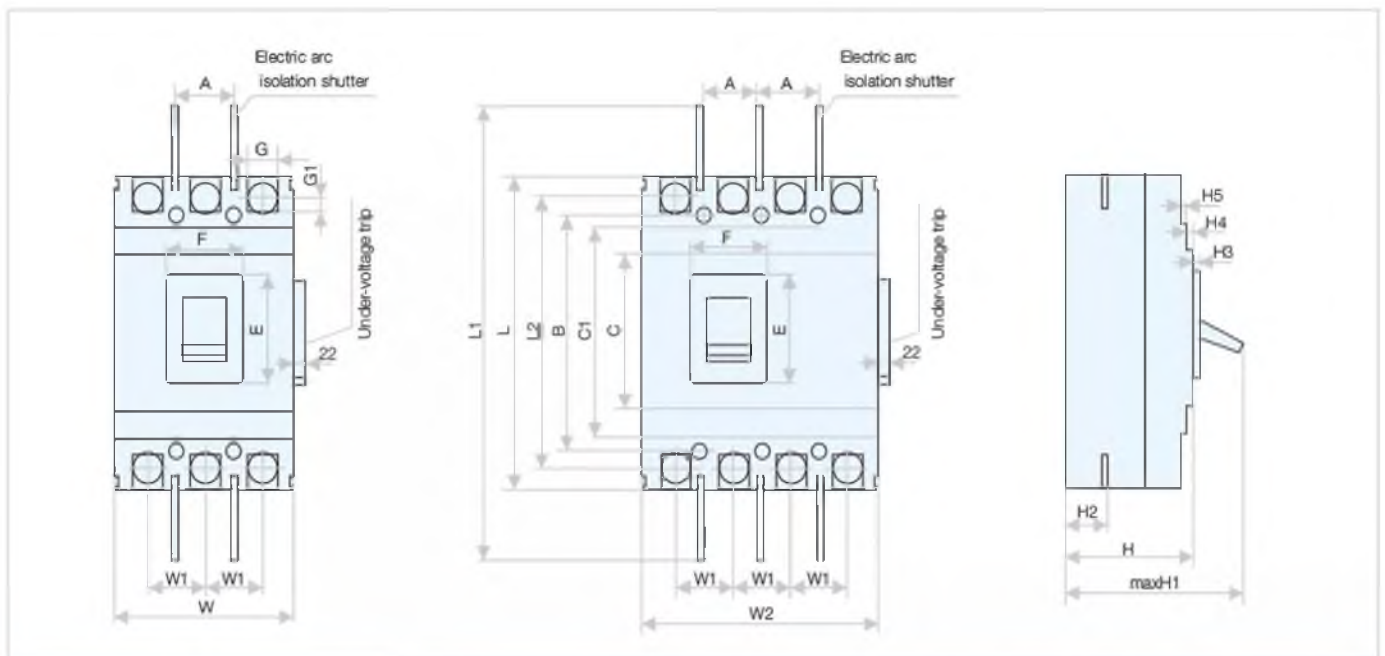
3SM8N-63, 100, 225 (front connection)



		Model					
		3SM8N-63L	3SM8N-63M	3SM8N-100L 3SM8N-100H	3SM8N-100M	3SM8N-225L 3SM8N-225H	3SM8N-225M
Dimensions	C	85	85	88.5	88.5	102	102
	E	52	52	58	58	64	64
	F	19.5	19.5	23	23	26	26
	G	14	14	17	17	22	22
	G1	6	6	7.5	7.5	16	10
	H	73.5	82.5	68	86	86.5	103
	H1	92	98.5	86	103	110	127
	H2	20	28	24	24	24	24
	H3	4.8	4.8	4.8	4	4	4
	H4	6.5	6.5	6.5	8.5	5	5
	L	135	135	150	150	165	165
	L1	172	172	255	255	360	360
	L2	114	114	132	132	144	144
W	78	78	90	90	107	107	
W1	25	25	30	30	35	35	
W2	--	103	--	122	--	142	
Installation	A	25	25	30	30	35	35
Dimensions	B	117	117	129	130	126	126
	Ød	4.2	4.2	4.5	4.5	4.5	4.5

Outline and installation dimensions

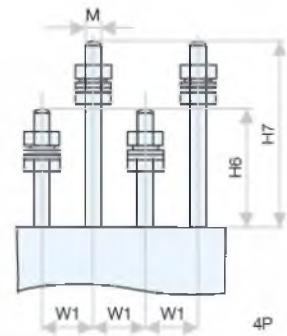
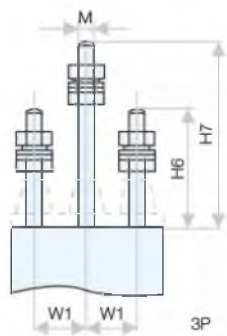
3SM8N-400, 630, 800 (front connection)



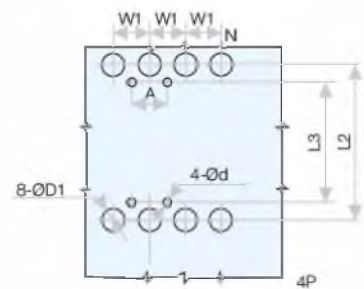
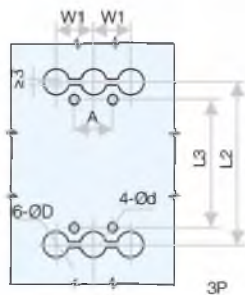
		Model				
		3SM8N-400L	3SM8N-400M	3SM8N-630L 3SM8N-630H	3SM8N-630M	3SM8N-800M 3SM8N-800H
Dimensions	C	120	120	134	134	154
	C1	174	174	184	184	204
	E	89	89	89	89	81
	F	50	50	60	60	66
	G	32	32	44	44	46
	G1	11	11	14	14	14
	H	107	107	112.5	112.5	111.5
	H1	146.5	146.5	160	160	155
	H2	38	38	43	43	44
	H3	9	9	10	10	10
	H4	7.5	7.5	10	10	10.5
	H5	4.5	4.5	4.5	4.5	4.5
	L	257	257	270	270	280
	L1	457	457	470	470	470
L2	224	224	234	234	243	
W	150	150	182	182	210	
W1	44	44	58	58	70	
W2	-	198	-	240	280	
Installation	A	44	44	58	58	70
Dimensions	B	194	194	200	200	243
	ød	7	7	7	7	7

Outline and installation dimensions

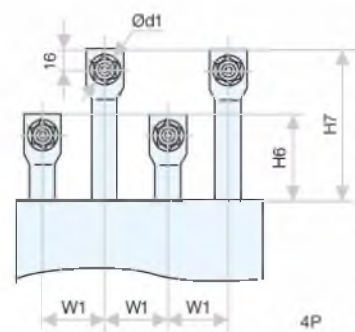
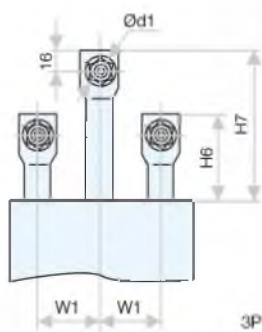
3SM8N-63, 100, 225 (Rear connection)



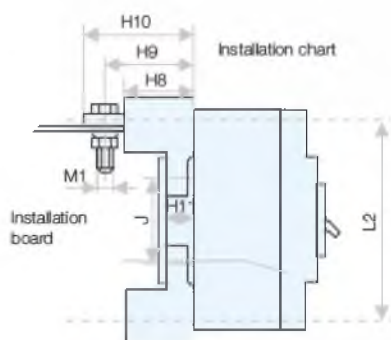
Rear connection stiletto chart



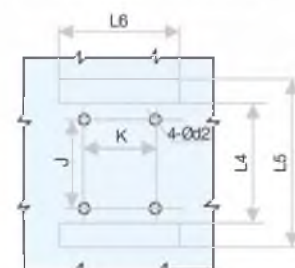
3SM8N-400, 630, 800 (Rear connection)



Insert style



Installation board stiletto chart

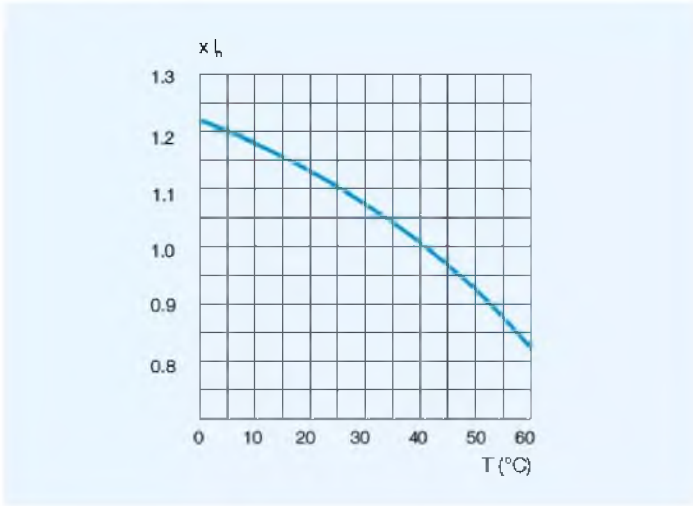


Outline and installation dimensions

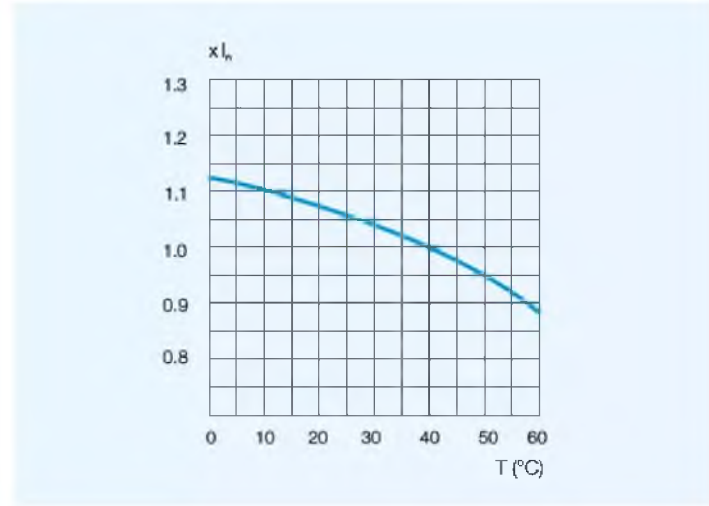
	3SM8-63L 3SM8-63M	3SM8-100L 3SM8-100M 3SM8-100H	3SM8-225L 3SM8-225M 3SM8-225H	3SM8-400L 3SM8-400M 3SM8-400H	3SM8-630L 3SM8-630M 3SM8-630H	3SM8-800M 3SM8-800H
A	25	30	35	44	58	70
Ød	Ø4.2	Ø4.5	Ø4.5	Ø6.5	Ø6.5	Ø7
Ød1	-	-	-	Ø12.5	Ø16.5	Ø16.5
Ød2	Ø5.5	Ø6.5	Ø6.5	Ø8.5	Ø8.5	Ø11.5
ØD	Ø14	Ø25	Ø25	Ø32	Ø40	Ø48
ØD1	Ø14	Ø25	Ø25	Ø32	Ø40	Ø48
H6	30	53	68	63.2	63.5	84
H7	50	88	89	104.5	104.5	84
H8	28	50	58	63.5	60	74
H9	36	64	65	80	92	-
H10	43	80	80	102	110	104
H11	10	15	17.5	20	21	30
L2	117	132	144	224	234	243
L3	117	107	126	194	200	243
L4	90	90	88	166	167	175
L5	146	172	190	282	303	305
L6	79	94	110	152	185	213
M	M5	M8	M8	-	-	-
K	50	60	70	60	100	90
J	60	56	54	129	123	123
M1	M5	M8	M8	M12	M12	M14
W1	25	30	35	48	58	70

Temperature performance curve

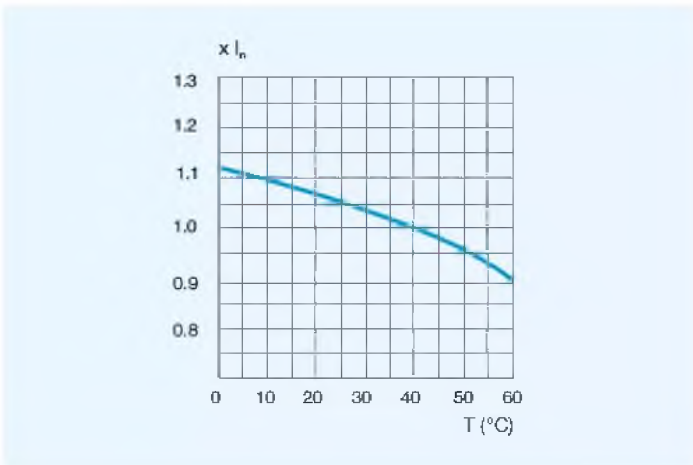
Size A/B
3SM8N-63/3SM8N-100
 $I_n = 10 \dots 25 \text{ A}$



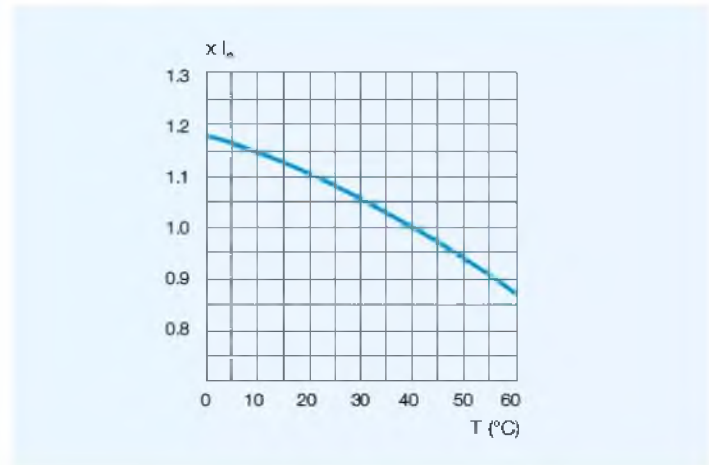
Size A/B
3SM8N-63/3SM8N-100
 $I_n = 32 \dots 100 \text{ A}$



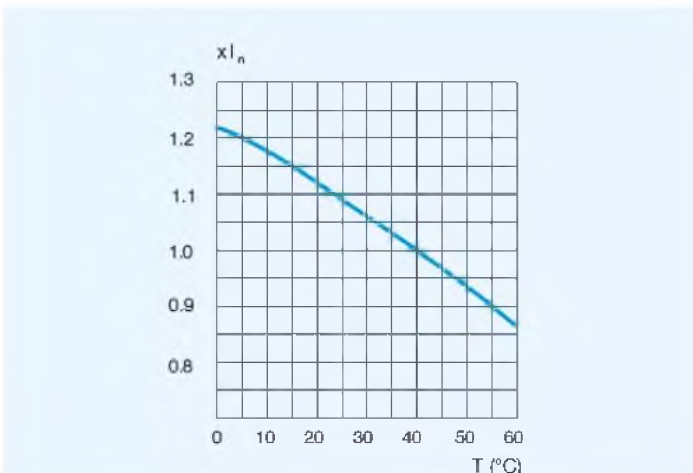
Size C
3SM8N-225
 $I_n = 100 \dots 255 \text{ A}$



Size D
3SM8N-400
 $I_n = 225 \dots 400 \text{ A}$



Size E/F
3SM8N-630/3SM8N-800
 $I_n = 400 \dots 800 \text{ A}$



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