

TENGEN

TGM1NL

A

TGM1NL

2.1

2.2

左装

右装

		TGM1NL-125/160		TGM1NL-250/320		TGM1NL-400/630/800	
		4P	3P	4P	3P	4P	
200	300						
208	308						
210	310						
220	320						
230	330						
240	340						
250	350						
260	360						
270	370						
218	318						
228	328						
238	338						
248	348						
268	368						
278	378						

(A)		125			160			250			320		
		1P+N 2P 3P 3P+N 4P			1P+N 2P 3P 3P+N 4P			1P+N 2P 3P 3P+N 4P			1P+N 2P 3P 3P+N 4P		
(Hz)		50/60											
U _e (V)	1P+N 2P	220/230/240			220/230/240			220/230/240			220/230/240		
	3P 3P+N 4P	380/400/415			380/400/415			380/400/415			380/400/415		
U _i (V)	1P+N 2P	690			690			690			690		
	3P 3P+N 4P	800			800			800			800		
U _{imp} (kV)		8											
I _n (A)		16 20 25 30 32 40 50 60 63 65 70 75 80 90 100 110 125			16 20 25 30 32 40 50 60 63 70 75 80 100 125 140 150 160			100 125 140 150 160 170 180 200 225 250			100 125 140 150 160 170 180 200 225 250 270 280 300 315 320		
		L	M	L	M	L	M	L	M	L	M		
I _{cu} (kA)		35	50	35	50	35	50	35	50	35	50		
I _{cs} (kA)		26	36	26	36	26	36	26	36	26	36		
		(2P 3P 4P)		(2P 3P 4P)		(2P 3P 4P)		(2P 3P 4P)		(2P 3P 4P)			
		A											
(mm)		50			50			50			50		
		40000			40000			40000			40000		
		20000			20000			20000			20000		
AC415V I _n		10000			10000			10000			10000		
I _n (nA)		30/50/75/100/ 150/200/300/ 400/500/600/ 800/1000			30/50/75/100/ 150/200/300/ 400/500/600/ 800/1000			30/50/75/100/ 150/200/300/ 400/500/600/ 800/1000			30/50/75/100/ 150/200/300/ 400/500/600/ 800/1000		
		50/75/100/150/ 200/300/400/ 500/600/800/ 1000			50/75/100/150/ 200/300/400/ 500/600/800/ 1000			50/75/100/150/ 200/300/400/ 500/600/800/ 1000			50/75/100/150/ 200/300/400/ 500/600/800/ 1000		
M ₂ m		"			m			"					

(A)			

TENGEN

3.2 4

(A)		+30		(A)
		1.05n() (h)	1.31n() (h)	
16 In 63	1	1	6In ± 20%	
63 In 800	2	2	8In ± 20% 10In ± 20%	
16 In 800	1.01n() (h)	1.21n() (h)	12In ± 20%	
	2	2		

*
40A 40A
+40

3.3 5

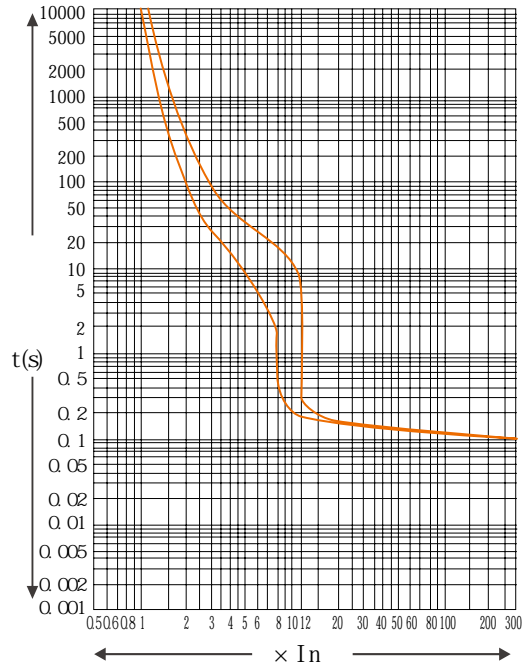
	In	2In	5In ^(a)	10In ^(b)
(s)	0.2	0.15	0.04	0.04
: In 30nA				
(a) In 30nA		5In 0.25A		
(b) (a) 0.25A		10In 0.5A		

3.4 6

(s)	In (s)	2In		5In (s)	10In (s)
		(s)	(s)		
0.06	0.2	0.06	0.2	0.15	0.15
0.1	0.3	0.1	0.3		
0.3					
0.3					
0.3					
0.3					
0.3					
0.3	Ü S				

TGM1NL

3.5 TGM1NL /



3.6

7

	A	m	W		
			3/4		
TGM1NL-125	125	0.72	28	31	32
TGM1NL-160	160	0.4	60	87	89
TGM1NL-250	250	0.2	63	90	90
TGM1NL-320	320	0.19	65	95	98
TGM1NL-400	400	0.15	68	72	100
TGM1NL-630	630	0.14	180	190	200
TGM1NL-800	800	0.11	200	230	290

3.7

8

A	12	20	25	32	50	65	85	115	150	175	225	250	275	350
	20	25	32	50	65	85	115	150	175	225	250	275	350	400
mm ²	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240

A	mm ²		mm × mm	
400 500	2	150	2	30x5
500 630	2	185	2	40x5
630 800	2	240	2	50x5

TENGEN

TGM1NL

5

5.1

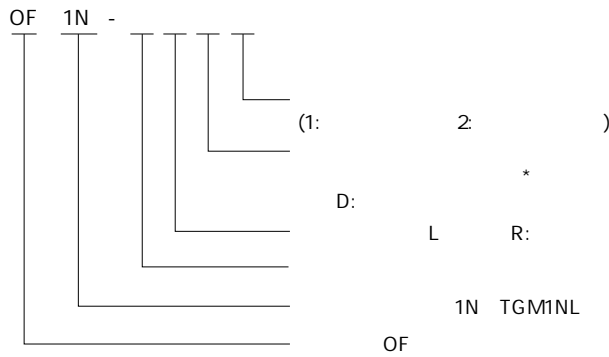
12

CF	1N	-	160	L	D	A2
CF:	1N TGMNL		160(125) 250 320 400 630 800	L R	D	A1 AC220/230/240V A2 AC380/400/415V D1 DC24V D2 DC110V D3 DC220V
SD						
MN						
MK						

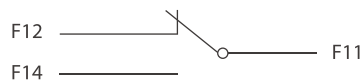
5.1.1 OF



ON OFF /



* TGMNL-125 160 50cm
TGMNL 250 (1CNIOFF) CF1N-250RD2



" "



" "

13

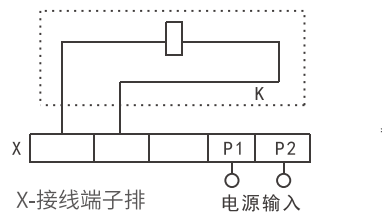
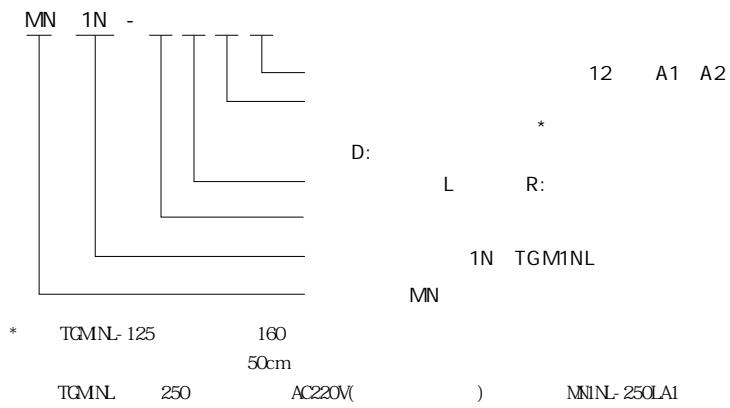
I _{th}	I _{rm} 320A		I _{rm} 400A	
	3A		6A	
	AC-15	DC-13	AC-15	DC-13
	0.3A	0.15A	1A	0.15A

TGM1NL

5.1.2 MN



- a 35% - 70%
- b 85% - 110%
- c 35%
- *



	mA		W	
	AC415V	AC230V	AC415V	AC230V
TGMNL-125/160	9.95	15.55	4.55	3.82
TGMNL-250/320	10.88	15.83	4.85	3.92
TGMNL-400	9.5	11.2	3.8	2.83
TGMNL-630/800	5.4	7.75	2.7	1.85

TGM1NL

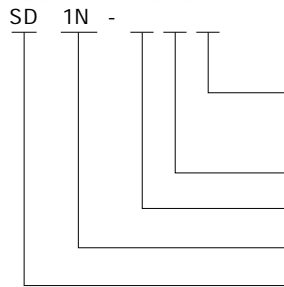
5.1.3 SD



OFF Trip

ON

· · /
· · /



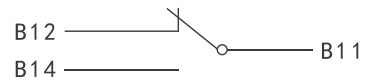
D:

L R:

1N TGM1NL

SD

* TGMNL- 125 160
50cm
TGMNL 250 () SDINL- 250L



" " " "

15

I _{th}	I _{nm} 320A		I _{nm} 400A	
	3A		6A	
	AC-15	DC-13	AC-15	DC-13
	Q. 3A	Q. 15A	1A	Q. 15A

TENGEN



12

D:

L

R:

1N TGM1NL

MX

70% - 110%

* TGMNL- 125

10

500

TGMNL 250

OV(

)

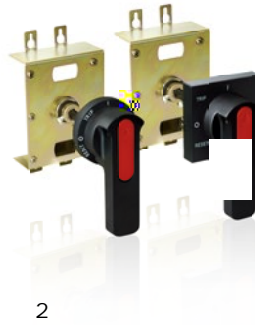
MK1NL- 250LD8

*

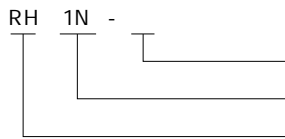
K-

	1.5mm ²	2.5mm ²
	150m	250m
	100m	160m

5.2.1 RN/AH



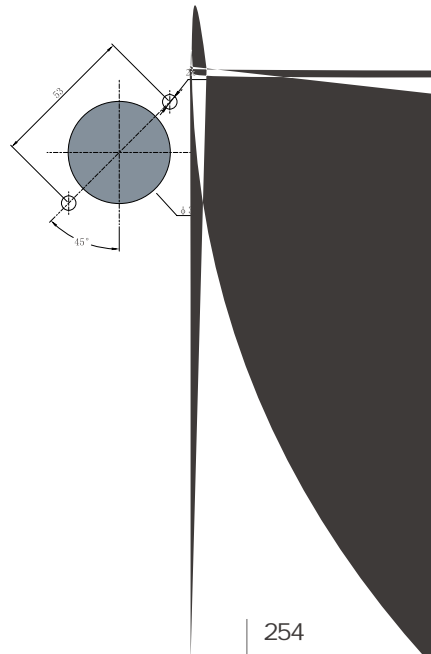
TGM1NL 2



1N TGM1NL

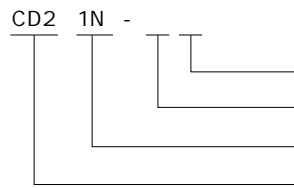
AH
RH

* TGMNL-125 160
TGMNL 250 AH1NL-250



TGM1NL

5.2.2 CD2

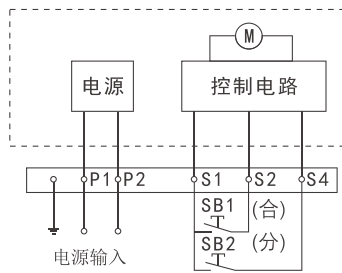


18

1N TGM1NL
CD2

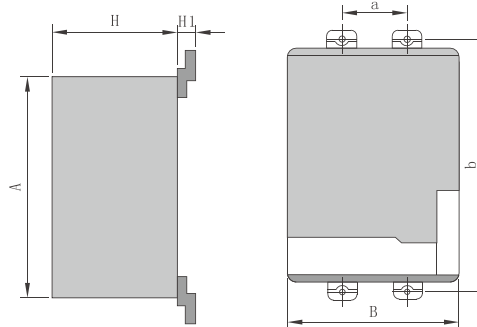
* TGMNL- 125 160
50cm

TGMNL 250 AC380V CD21NL- 250A2



* K

P1 P2
SB1 SB2

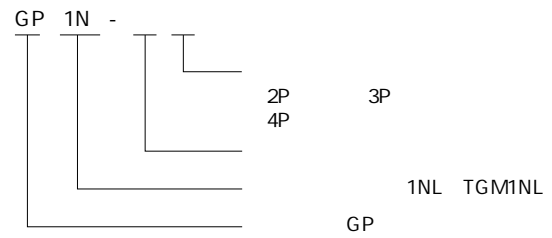


20

	A	B	H	H1	a	b
TGM1NL- 125/160	116	90	77	22	30	129
TGM1NL- 250/320	116	90	77	17	35	126
TGM1NL- 400	176	130	115	24	44	194
TGM1NL- 630/800	176	130	115	17	70	243

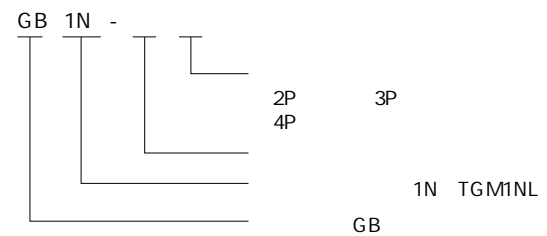
TGM1NL

5.2.3 GP



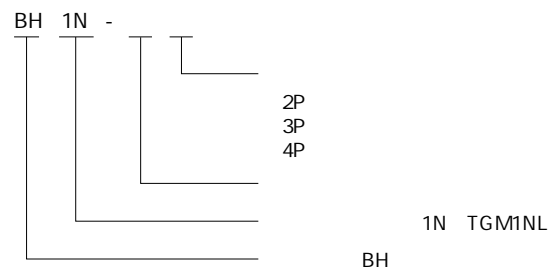
* TGMNL-125 160
TGMNL 250 3P GP1NL-2503P

5.2.4 GB



* TGMNL-125 160
TGMNL 250 3P (2 4 6) GB1NL-2503P

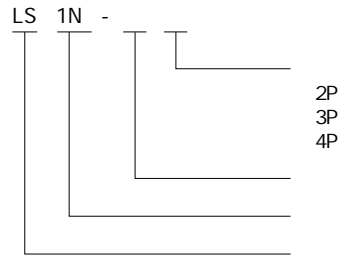
5.2.5 BH



* TGMNL-125 160
TGMNL 250 3P BH1NL-2503P

TGM1NL

5.2.6 LS



1N TGM1NL
LS

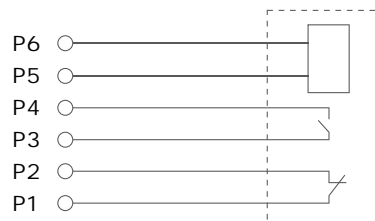
* TGMNL- 125 160
TGMNL 250 3P

LS1NL- 2503P

5.3



AC220/230V AC380/400V DC24V



P5- P6:
P1- P2 P3- P4: AC230V 5A

TGM1NL

6

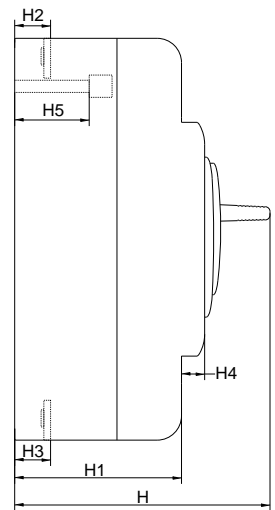
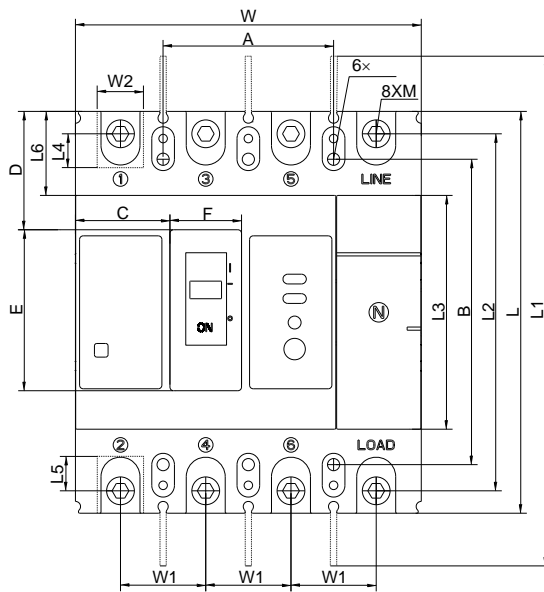
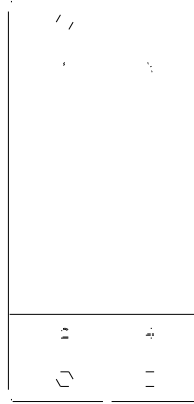
图例

TGM1NL

7

21

22



TGM1NL

7.1

21

21

			(mm)					(mm)						
			W	L	L1	H	H1	C	D	E	F	L3	L6	H4
TGM1NL-125/160	L	2P	62	151	265	103	64	3	41	69	26	97	27.5	12
		3P	93	151	265	103	64	33	41	69	26	97	27.5	12
		4P	123	151	265	103	64	33	41	69	26	97	27.5	12
TGM1NL-125/160	M	2P	62	151	265	118	82	3	41	69	26	97	27.5	12
		3P	93	151	265	118	82	33	41	69	26	97	27.5	12
		4P	123	151	265	118	82	33	41	69	26	97	27.5	12
TGM1NL-250/320	L	2P	78	165	302	103	69	9	49	66	29	97	35	10
		3P	107	165	302	103	69	39	49	66	29	97	35	10
		4P	142	165	302	103	69	39	49	66	29	97	35	10
TGM1NL-250/320	M	2P	78	165	302	119	85	9	49	66	29	97	35	10
		3P	107	165	302	119	85	39	49	66	29	97	35	10
		4P	142	165	302	119	85	39	49	66	29	97	35	10
TGM1NL-400	L M	3P	150	257	469	154	98	46	71	110	59	155	51	15
		4P	198	257	469	154	98	46	71	110	59	155	51	15
TGM1NL-630/800	L M	3P	210	280	497	160	103	75	83	105	60	176	52	15
		4P	280	280	497	160	103	75	83	105	60	176	52	15

7.2

22

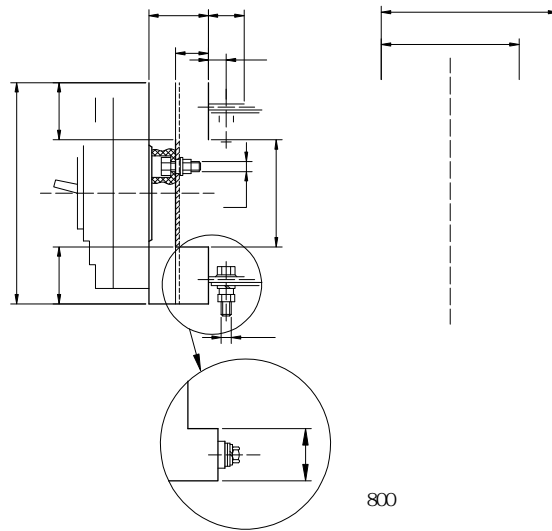
22

			(mm)							(mm)				
			H2	H3	W	W2	L2	L4	L5	M	A	B		H5
TGM1NL-125/160	L	2P	25	25	30	18	133	8.5	8.5	M8	/	129	5	28
		3P	25	25	30	18	133	8.5	8.5	M8	30	129	5	28
		4P	25	25	30	18	133	8.5	8.5	M8	60	129	5	28
TGM1NL-125/160	M	2P	29	29	30	18	133	8.5	8.5	M8	/	129	5	28
		3P	29	29	30	18	133	8.5	8.5	M8	30	129	5	28
		4P	29	29	30	18	133	8.5	8.5	M8	60	129	5	28
TGM1NL-250/320	L	2P	25.5	24.5	35	26	147	13.8	13.8	M8	/	126	5	44
		3P	25.5	24.5	35	26	147	13.8	13.8	M8	35	126	5	44
		4P	25.5	24.5	35	26	147	13.8	13.8	M8	70	126	5	44
TGM1NL-250/320	M	2P	21.5	21.5	35	26	147	13.8	13.8	M8	/	126	5	60
		3P	21.5	21.5	35	26	147	13.8	13.8	M8	35	126	5	60
		4P	21.5	21.5	35	26	147	13.8	13.8	M8	70	126	5	60
TGM1NL-400	L	3P	38.5	38	48	33	224	14.5	14.5	M10	44	194	8	67
		4P	38.5	38	48	33	224	14.5	14.5	M10	94	194	8	67
TGM1NL-400	M	3P	39.5	38	48	33	224	14.5	14.5	M10	44	194	8	67
		4P	39.5	38	48	33	224	14.5	14.5	M10	94	194	8	67
TGM1NL-630/800	L M	3P	41	41	70	45	243	15.5	14.7	M12	70	243	7	70
		4P	41	41	70	45	243	15.5	14.7	M12	140	243	7	70

TGM1NL

7.3

23



23

	mm											
	A	B1	B2	C1	C2	E	F	G	K	H	HI	H2
TGM1NL-125/160	168	91	125	60	90	57	132	92	38	50	33	28
TGM1NL-250/320	186	107	145	70	105	54	145	94	46	50	33	37
TGM1NL-400	280	149	200	60	108	129	224	170	55	60	38	46
TGM1NL-630/800	305	210	280	90	162	146	243	181	62	87	60	22

	mm								
	FB	N	S	Q	B3	B4	AM	BM	4-d
TGM1NL-125/160	19	178	82	48	101	135	M6	M6	6.5
TGM1NL-250/320	20	196	84	56	117	155	M6	M6	6.5
TGM1NL-400	24	290	160	65	159	210	M8	M12	8.5
TGM1NL-630/800	/	315	171	72	220	290	M10	M2(T)	11

TGM1NL

8

a)

b)

c)

d)

d)

2

f)

	TGM1NL-125	A	L	
100A		100mA/300mA/500mA		200
	TGM1NL-125L/3N300A 100A 100mA/300mA/500mA 200			

TGM1NL

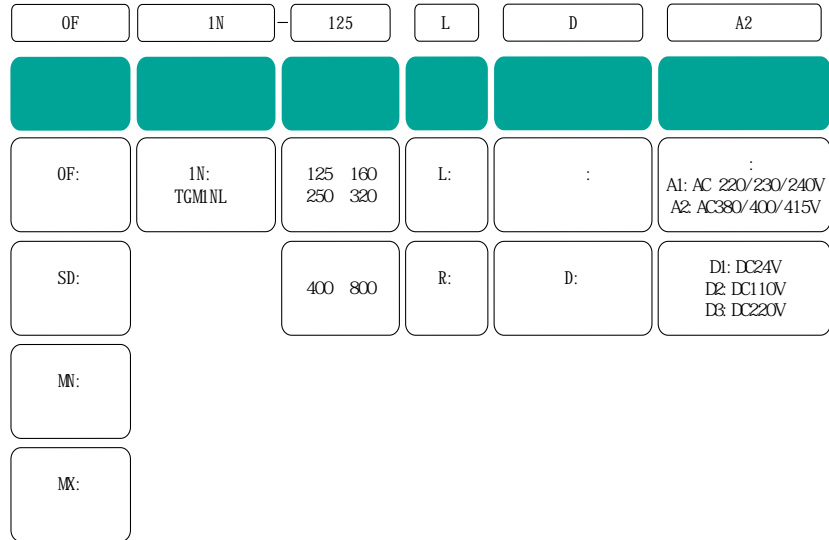
9

9.1

TGM1NL	A	125	M	P	G	3W	300	10	2	A	T	125A	100/300/500mA	0.2s	AC220V	B	YW			
TGM1NL	AC	125: 125A 160: 160A 250: 250A 320: 320A	125A/160A L: 35KA M: 50KA			1N IP+N 2 3	2	00 08 10 20		A·N , N		" 3"	" 3"		AC220/230V 240/AC380V 400/415V		OX SR	:		
A " A"		400: 400A 800: 800A	250A/320A L: 35KA M: 50KA	- P	- C	3N 4	3	30 40 50 60	- Z	B·N N (N)	- T			" 5"	DC24V DC110V DC220V	B-	HB YW DW			
		400A: L: 50KA M: 75KA		- Z ()			70 18 28 38	+ + + +		C·N N (N)										
		800A: L: 50KA M: 75KA					48 + 68 +	+ + +		D·N , N										
							78 +	+ +												

TGM1NL

9.2



9.3

