Combined RCD/MCB Devices PKPM2, 2-pole

- High-quality residual current device / miniature circuit breaker combination, line voltage-independent
- Contact position indicator red - green
- Fault current tripping indicator white - blue
- Guide for secure terminal connection
- 3-position DIN rail clip, permits removal from existing busbar system
- Comprehensive range of accessories suitable for subsequent installation
- Wide variety of rated tripping currents
- Rated currents up to 20 A
- Tripping characteristics B, C
- Rated breaking capacity 10 kA

SG14011

Combined RCD/MCB Devices PKPM2

10 kA, 2-pole

Conditionally surge current-proof 250 A, type AC

SG14011

SG14011

$I_n/I_{\Delta n}$ (A)	Type Designation	Article No.	Units per package
Characteristic B			
10/0.03	PKPM2-10/2/B/003	111597	1 / 60
13/0.03	PKPM2-13/2/B/003	111598	1 / 60
16/0.03	PKPM2-16/2/B/003	111599	1 / 60
20/0.03	PKPM2-20/2/B/003	111600	1 / 60
10/0.3	PKPM2-10/2/B/03	111602	1 / 60
13/0.3	PKPM2-13/2/B/03	111603	1 / 60
16/0.3	PKPM2-16/2/B/03	111604	1 / 60
20/0.3	PKPM2-20/2/B/03	111605	1 / 60
Characteristic C			
6/0.03	PKPM2-6/2/C/003	111622	1 / 60
10/0.03	PKPM2-10/2/C/003	111623	1 / 60
13/0.03	PKPM2-13/2/C/003	111624	1 / 60
16/0.03	PKPM2-16/2/C/003	111625	1 / 60
20/0.03	PKPM2-20/2/C/003	111626	1 / 60
6/0.3	PKPM2-6/2/C/03	111627	1 / 60
10/0.3	PKPM2-10/2/C/03	111628	1 / 60
13/0.3	PKPM2-13/2/C/03	111629	1 / 60
16/0.3	PKPM2-16/2/C/03	111630	1 / 60
20/0.3	PKPM2-20/2/C/03	111631	1 / 60

Combined RCD/MCB Devices PKPM2

10 kA, 2-pole

Conditionally surge current-proof 250 A, sensitive to residual pulsating DC, type A

SG14011

SG14011

$I_n/I_{\Delta n}$ (A)	Type Designation	Article No.	Units per package
Characteristic B			
10/0.03	PKPM2-10/2/B/003-A	108105	1 / 60
13/0.03	PKPM2-13/2/B/003-A	108106	1 / 60
16/0.03	PKPM2-16/2/B/003-A	108107	1 / 60
20/0.03	PKPM2-20/2/B/003-A	108108	1 / 60
10/0.1	PKPM2-10/2/B/01-A	108113	1 / 60
13/0.1	PKPM2-13/2/B/01-A	108114	1 / 60
16/0.1	PKPM2-16/2/B/01-A	108115	1 / 60
20/0.1	PKPM2-20/2/B/01-A	108116	1 / 60
10/0.3	PKPM2-10/2/B/03-A	111634	1 / 60
13/0.3	PKPM2-13/2/B/03-A	111635	1 / 60
16/0.3	PKPM2-16/2/B/03-A	111636	1 / 60
20/0.3	PKPM2-20/2/B/03-A	111637	1 / 60
Characteristic C			
6/0.03	PKPM2-6/2/C/003-A	111638	1 / 60
10/0.03	PKPM2-10/2/C/003-A	108109	1 / 60
13/0.03	PKPM2-13/2/C/003-A	108110	1 / 60
16/0.03	PKPM2-16/2/C/003-A	108111	1 / 60
20/0.03	PKPM2-20/2/C/003-A	108112	1 / 60
10/0.1	PKPM2-10/2/C/01-A	108117	1 / 60
13/0.1	PKPM2-13/2/C/01-A	108118	1 / 60
16/0.1	PKPM2-16/2/C/01-A	108119	1 / 60
20/0.1	PKPM2-20/2/C/01-A	108120	1 / 60
6/0.3	PKPM2-6/2/C/03-A	111639	1 / 60
10/0.3	PKPM2-10/2/C/03-A	111640	1 / 60
13/0.3	PKPM2-13/2/C/03-A	111641	1 / 60
16/0.3	PKPM2-16/2/C/03-A	111642	1 / 60
20/0.3	PKPM2-20/2/C/03-A	111643	1 / 60

Combined RCD/MCB Devices PKP62, 2-pole

- High-quality residual current device / miniature circuit breaker combination, line voltage-independent
- Contact position indicator red - green
- Fault current tripping indicator white - blue
- Guide for secure terminal connection
- 3-position DIN rail clip, permits removal from existing busbar system
- Comprehensive range of accessories suitable for subsequent installation
- Wide variety of rated tripping currents
- Rated currents up to 40 A
- Tripping characteristics B, C
- Rated breaking capacity 6 kA

SG13811

Combined RCD/MCB Devices PKP62

6 kA, 2-pole

Conditionally surge current-proof 250 A, type AC

SG13811

SG13811

$I_n/I_{\Delta n}$ (A)	Type Designation	Article No.	Units per package
Characteristic B			
10/0.03	PKP62-10/2/B/003	111589	1 / 60
13/0.03	PKP62-13/2/B/003	111590	1 / 60
16/0.03	PKP62-16/2/B/003	111591	1 / 60
20/0.03	PKP62-20/2/B/003	111592	1 / 60
25/0.03	PKP62-25/2/B/003	111593	1 / 60
32/0.03	PKP62-32/2/B/003	111594	1 / 60
40/0.03	PKP62-40/2/B/003	111595	1 / 60
Characteristic C			
6/0.03	PKP62-6/2/C/003	111614	1 / 60
10/0.03	PKP62-10/2/C/003	111615	1 / 60
13/0.03	PKP62-13/2/C/003	111616	1 / 60
16/0.03	PKP62-16/2/C/003	111617	1 / 60
20/0.03	PKP62-20/2/C/003	111618	1 / 60
25/0.03	PKP62-25/2/C/003	111619	1 / 60
32/0.03	PKP62-32/2/C/003	111620	1 / 60
40/0.03	PKP62-40/2/C/003	111621	1 / 60

Combined RCD/MCB Devices PKP62

6 kA, 2-pole

Conditionally surge current-proof 250 A, sensitive to residual pulsating DC, type A

SG13811

SG13811

$I_n/I_{\Delta n}$ (A)	Type Designation	Article No.	Units per package
Characteristic B			
25/0,03	PKP62-25/2/B/003-A	113889	1 / 60
32/0,03	PKP62-32/2/B/003-A	113940	1 / 60
40/0,03	PKP62-40/2/B/003-A	113941	1 / 60
25/0,01	PKP62-25/2/B/01-A	113945	1 / 60
32/0,01	PKP62-32/2/B/01-A	113946	1 / 60
40/0,01	PKP62-40/2/B/01-A	113947	1 / 60
Characteristic C			
25/0,03	PKP62-25/2/C/003-A	113942	1 / 60
32/0,03	PKP62-32/2/C/003-A	113943	1 / 60
40/0,03	PKP62-40/2/C/003-A	113944	1 / 60
25/0,01	PKP62-25/2/C/01-A	113948	1 / 60
32/0,01	PKP62-32/2/C/01-A	113949	1 / 60
40/0,01	PKP62-40/2/C/01-A	113950	1 / 60

Explanation PKP62:
P = XPole, KP.2 = Combined RCD/MCB Devices, 6 = 6 kA

Combined RCD/MCB Devices PKP42, 2-pole

- High-quality residual current device / miniature circuit breaker combination, line voltage-independent
- Contact position indicator red - green
- Fault current tripping indicator white - blue
- Guide for secure terminal connection
- 3-position DIN rail clip, permits removal from existing busbar system
- Comprehensive range of accessories suitable for subsequent installation
- Wide variety of rated tripping currents
- Rated currents up to 40 A
- Tripping characteristics B, C
- Rated breaking capacity 4.5 kA

SG69511

Combined RCD/MCB Devices PKP42

4.5 kA, 2-pole

Conditionally surge current-proof 250 A, type AC

SG69511

SG69511

$I_n/I_{\Delta n}$ (A)	Type Designation	Article No.	Units per package
Characteristic B			
10/0.03	PKP42-10/2/B/003	111581	1 / 60
13/0.03	PKP42-13/2/B/003	111582	1 / 60
16/0.03	PKP42-16/2/B/003	111583	1 / 60
20/0.03	PKP42-20/2/B/003	111584	1 / 60
25/0.03	PKP42-25/2/B/003	111585	1 / 60
32/0.03	PKP42-32/2/B/003	111586	1 / 60
40/0.03	PKP42-40/2/B/003	111587	1 / 60
Characteristic C			
6/0.03	PKP42-6/2/C/003	111606	1 / 60
10/0.03	PKP42-10/2/C/003	111607	1 / 60
13/0.03	PKP42-13/2/C/003	111608	1 / 60
16/0.03	PKP42-16/2/C/003	111609	1 / 60
20/0.03	PKP42-20/2/C/003	111610	1 / 60
25/0.03	PKP42-25/2/C/003	111611	1 / 60
32/0.03	PKP42-32/2/C/003	111612	1 / 60
40/0.03	PKP42-40/2/C/003	111613	1 / 60

Combined RCD/MCB Devices PKPM3, 3-pole

- High-quality residual current device / miniature circuit breaker combination, line voltage-independent
- Contact position indicator red - green
- Fault current tripping indicator white - blue
- Guide for secure terminal connection
- 3-position DIN rail clip, permits removal from existing busbar system
- Comprehensive range of accessories suitable for subsequent installation
- Wide variety of rated tripping currents
- Rated currents up to 20 A
- Tripping characteristics B, C
- Rated breaking capacity 10 kA

wa_sg03811

Combined RCD/MCB Devices PKPM3

10 kA, 3-pole

Conditionally surge current-proof 250 A, sensitive to residual pulsating DC, type A

wa_sg03811

wa_sg03811

$I_n/I_{\Delta n}$ (A)	Type Designation	Article No.	Units per package
Characteristic B			
10/0.03	PKPM3-10/3/B/003-A	108322	1 / 30
13/0.03	PKPM3-13/3/B/003-A	108323	1 / 30
16/0.03	PKPM3-16/3/B/003-A	108324	1 / 30
20/0.03	PKPM3-20/3/B/003-A	108325	1 / 30
10/0.1	PKPM3-10/3/B/01-A	108129	1 / 30
13/0.1	PKPM3-13/3/B/01-A	108130	1 / 30
16/0.1	PKPM3-16/3/B/01-A	108131	1 / 30
20/0.1	PKPM3-20/3/B/01-A	108132	1 / 30
Characteristic C			
10/0.03	PKPM3-10/3/C/003-A	108326	1 / 30
13/0.03	PKPM3-13/3/C/003-A	108327	1 / 30
16/0.03	PKPM3-16/3/C/003-A	108328	1 / 30
20/0.03	PKPM3-20/3/C/003-A	108329	1 / 30
32/0.03	PKPM3-32/3/C/003-A	136564	1 / 30
10/0.1	PKPM3-10/3/C/01-A	108133	1 / 30
13/0.1	PKPM3-13/3/C/01-A	108134	1 / 30
16/0.1	PKPM3-16/3/C/01-A	108135	1 / 30
20/0.1	PKPM3-20/3/C/01-A	108136	1 / 30
32/0.1	PKPM3-32/3/C/01-A	136567	1 / 30

Combined RCD/MCB Devices PKPM3

10 kA, 3-pole

Surge current-proof 3 kA, sensitive to residual pulsating DC, type G/A (ÖVE E 8601)

wa_sg03811

wa_sg03811

$I_n/I_{\Delta n}$ (A)	Type Designation	Article No.	Units per package
Characteristic B			
10/0.03	PKPM3-10/3/B/003-G/A	108121	1 / 30
13/0.03	PKPM3-13/3/B/003-G/A	108122	1 / 30
16/0.03	PKPM3-16/3/B/003-G/A	108123	1 / 30
20/0.03	PKPM3-20/3/B/003-G/A	108124	1 / 30
10/0.1	PKPM3-10/3/B/01-G/A	108137	1 / 30
13/0.1	PKPM3-13/3/B/01-G/A	108138	1 / 30
16/0.1	PKPM3-16/3/B/01-G/A	108139	1 / 30
20/0.1	PKPM3-20/3/B/01-G/A	108140	1 / 30
Characteristic C			
10/0.03	PKPM3-10/3/C/003-G/A	108125	1 / 30
13/0.03	PKPM3-13/3/C/003-G/A	108126	1 / 30
16/0.03	PKPM3-16/3/C/003-G/A	108127	1 / 30
20/0.03	PKPM3-20/3/C/003-G/A	108128	1 / 30
32/0.03	PKPM3-32/3/C/003-G/A	136574	1 / 30
10/0.1	PKPM3-10/3/C/01-G/A	108141	1 / 30
13/0.1	PKPM3-13/3/C/01-G/A	108142	1 / 30
16/0.1	PKPM3-16/3/C/01-G/A	108143	1 / 30
20/0.1	PKPM3-20/3/C/01-G/A	108144	1 / 30
32/0.1	PKPM3-32/3/C/01-G/A	136577	1 / 30

Combined RCD/MCB Devices PKP.2, 2-pole

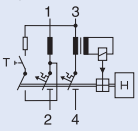
- Combined RCD/MCB device
- Line voltage-independent tripping
- Compatible with standard busbar
- Twin-purpose terminal (lift/open-mouthed) above and below
- Busbar positioning optionally above or below
- Free terminal space despite installed busbar
- Guide for secure terminal connection
- Switching toggle (MCB component) in colour designating the rated current
- Contact position indicator red - green
- Fault current tripping indicator white - blue
- Comprehensive range of accessories suitable for subsequent installation
- **Type -A**: Protects against special forms of residual pulsating DC which have have not been smoothed

Accessories:

Auxiliary switch for subsequent installation	ZP-IHK	286052
Shunt trip release	ZP-ASA/..	248438, 248439
Switching interlock	IS/SPE-1TE	101911

Connection diagram

2-pole



Technical Data

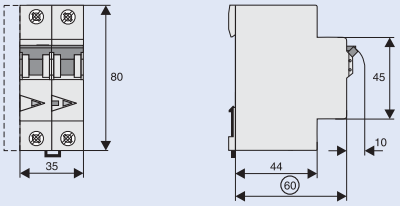
Electrical

Design according to		IEC/EN 61009
Current test marks as printed onto the device		
Tripping		
line voltage-independent		instantaneous 250A (8/20µs) surge current-proof
Rated voltage U_e		230 V; 50 Hz
Operational voltage range		196-253 V
Rated tripping current $I_{\Delta n}$		30, 100, 300 mA
Rated non-tripping current $I_{\Delta no}$		0.5 $I_{\Delta n}$
Sensitivity		AC and pulsating DC
Selectivity class		3
Rated breaking capacity		
	PKP42	4.5 kA
	PKP62	6 kA
	PKPM2	10 kA
Rated current		6 - 40 A
Rated peak withstand voltage U_{imp}		4 kV (1.2/50µs)
Characteristic		B, C
Maximum back-up fuse (short circuit)		100 A gL (>10 kA)
Endurance	electrical comp.	≥ 4,000 operating cycles
	mechanical comp.	≥ 20,000 operating cycles

Mechanical

Frame size	45 mm
Device height	80 mm
Device width	35 mm (2MU)
Mounting	3-position DIN rail clip, permits removal from existing busbar system
Upper and lower terminals	open mouthed/lift terminals
Terminal protection	finger and hand touch safe, VBG4, ÖVE-EN 6
Terminal capacity	1 - 25 mm^2
Busbar thickness	0.8 - 2 mm
Degree of protection switch	IP20
Degree of protection, built-in	IP40
Tripping temperature	-25°C to +40°C
Storage- and transport temperature	-35°C to +60°C
Resistance to climatic conditions	acc. to IEC/EN 61009

Dimensions (mm)



PKPM2: Influence of ambient temperature on load carrying capacity

- Values = max. allowed current in Ampere at the specific temperature
- Temperature factor (%/K) = 0,5

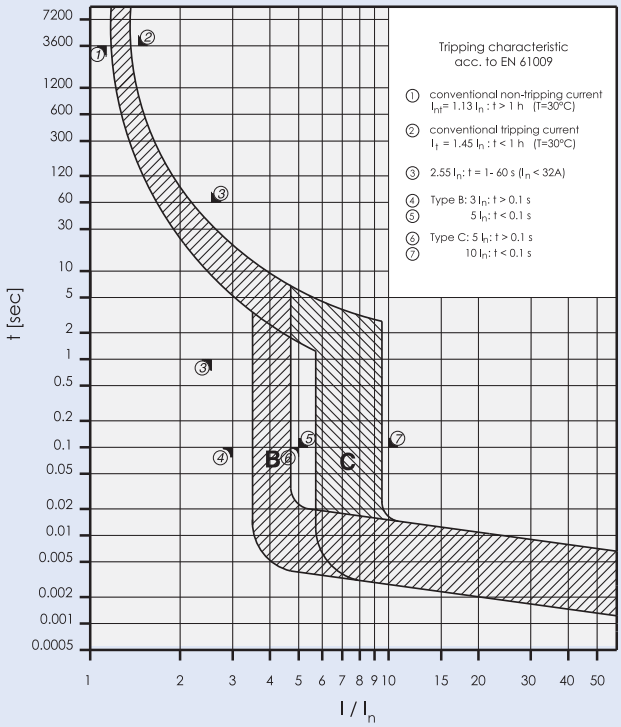
	Ambient temperature / °C									
	-40	**-30**	**-25**	**-20**	**-10**	**0**	**10**	**20**	**30**	**40**
6	8,1	7,8	7,7	7,5	7,2	6,9	6,6	6,3	6,0	5,7
10	13,5	13,0	12,8	12,5	12,0	11,5	11,0	10,5	10,0	9,5
13	17,6	16,9	16,6	16,3	15,6	15,0	14,3	13,7	13,0	12,4
16	21,6	20,8	20,4	20,0	19,2	18,4	17,6	16,8	16,0	15,2
20	27,0	26,0	25,5	25,0	24,0	23,0	22,0	21,0	20,0	19,0

PKP62, PKP42: Influence of ambient temperature on load carrying capacity

- Values = max. allowed current in Ampere at the specific temperature
- Temperature factor (%/K) = 0,5

	Ambient temperature / °C									
	-40	**-30**	**-25**	**-20**	**-10**	**0**	**10**	**20**	**30**	**40**
6	8,1	7,8	7,7	7,5	7,2	6,9	6,6	6,3	6,0	5,7
10	13,5	13,0	12,8	12,5	12,0	11,5	11,0	10,5	10,0	9,5
13	17,6	16,9	16,6	16,3	15,6	15,0	14,3	13,7	13,0	12,4
16	21,6	20,8	20,4	20,0	19,2	18,4	17,6	16,8	16,0	15,2
20	27,0	26,0	25,5	25,0	24,0	23,0	22,0	21,0	20,0	19,0
25	33,8	32,5	31,9	31,3	30,0	28,8	27,5	26,3	25,0	23,8
32	43,2	41,6	40,8	40,0	38,4	36,8	35,2	33,6	32,0	30,4
40	54,0	52,0	51,0	50,0	48,0	46,0	44,0	42,0	40,0	38,0

Tripping Characteristic PKP.2, Characteristics B and C



Short Circuit Selectivity PKPM2 towards Neozed[1] / Diazed[2] / NH00[3]

Short circuit currents in kA, Rated currents of fuses in A

*Short circuit selectivity **PKPM2** towards fuse link **Neozed** [1]*

PKPM2	Neozed [1]									
	16	**20**	**25**	**32**	**35**	**40**	**50**	**63**	**80**	**100**
B10	<0,5	0,5	0,9	2	2,3	3,7	8	10	10	10
B13	<0,5	0,5	0,8	1,7	1,9	3	6	10	10	10
B16		0,5	0,7	1,5	1,7	2,4	4,4	6,8	10	10
B20			0,7	1,4	1,5	2,2	3,9	6	9,2	10
C10	<0,5	0,5	0,8	1,7	1,9	3	6,1	10	10	10
C13	<0,5	0,5	0,7	1,6	1,8	2,8	5,5	9,5	10	10
C16		<0,5	0,7	1,3	1,5	2,2	4	6,2	10	10
C20			0,6	1,3	1,4	2,1	3,7	5,6	8,5	10

*Short circuit selectivity **PKPM2** towards fuse link **Diazed** [2]*

PKPM2	Diazed [2]								
	16	**20**	**25**	**32**	**35**	**50**	**63**	**80**	**100**
B10	<0,5	0,5	0,9	1,8	2,9	5,6	10	10	10
B13	<0,5	0,5	0,8	1,5	2,4	4,5	10	10	10
B16		0,5	0,8	1,3	2	3,4	8	10	10
B20			0,7	1,3	1,9	3,1	7,1	10	10
C10	<0,5	0,5	0,8	1,5	2,4	4,4	10	10	10
C13	<0,5	0,5	0,8	1,4	2,3	4,2	10	10	10
C16		<0,5	0,7	1,2	1,9	3,2	7,6	10	10
C20			0,7	1,2	1,8	2,9	6,5	9,7	10

*Short circuit selectivity **PKPM2** towards fuse link **NH00** [3]*

PKPM2	NH00 [3]											
	16	**20**	**25**	**32**	**35**	**40**	**50**	**63**	**80**	**100**	**125**	**160**
B10	<0,5	<0,5	0,8	1,5	2,3	3,2	5,7	9,1	10	10	10	10
B13	<0,5	<0,5	0,8	1,3	1,9	2,7	4,4	6,5	10	10	10	10
B16		<0,5	0,7	1,1	1,6	2,2	3,4	4,8	8	10	10	10
B20			0,6	1	1,4	2	3,1	4,3	7	10	10	10
C10	<0,5	<0,5	0,7	1,3	1,9	2,7	4,5	6,9	10	10	10	10
C13	<0,5	<0,5	0,7	1,2	1,8	2,5	4,1	6,1	10	10	10	10
C16		<0,5	0,6	1	1,5	2	3,1	4,4	7,5	10	10	10
C20			0,6	0,9	1,4	1,9	2,9	4,1	6,5	10	10	10

no selectivity

[1] SIEMENS Type 5SE2; Size: D01, D02, D03; Operating class gG; Rated voltage: AC 400 V/DC 250 V

[2] SIEMENS Type 5SB2, 5SB4, 5SC2; Size: DII, DIII, DIV; Operating class gG; Rated voltage: AC 500 V/DC 500 V

[3] SIEMENS Type 3NA3 8, 3NA6 8, 3NA7 8; Size: 000, 00; Operating class gG; Rated voltage: AC 500 V/DC 250 V

Short Circuit Selectivity PKP62 towards Neozed[1] / Diazed[2] / NH00[3]

Short circuit currents in kA, Rated currents of fuses in A

*Short circuit selectivity **PKP62** towards fuse link **Neozed** [1]*

PKP62	Neozed [1]									
	16	20	25	32	35	40	50	63	80	100
B10	<0,5	0,5	0,9	2	2,3	3,7	6	6	6	6
B13	<0,5	0,5	0,8	1,7	1,9	3	6	6	6	6
B16		0,5	0,7	1,5	1,7	2,4	4,4	6	6	6
B20			0,7	1,4	1,5	2,2	4	6	6	6
B25				1,2	1,3	1,8	3,1	4,7	6	6
B32					1,2	1,7	2,7	3,8	5,5	6
B40						1,3	1,7	2,2	2,7	4,2
C10	<0,5	0,5	0,8	1,7	1,9	3	6	6	6	6
C13	<0,5	0,5	0,7	1,6	1,8	2,8	5,5	6	6	6
C16		<0,5	0,7	1,3	1,5	2,2	4	6	6	6
C20			0,6	1,3	1,4	2,1	3,7	5,6	6	6
C25				1,1	1,3	1,8	2,8	3,9	5,6	6
C32					1,2	1,7	2,6	3,6	5,1	6
C40						1,3	1,9	3,3	3,2	5,8

*Short circuit selectivity **PKP62** towards fuse link **Diazed** [1]*

PKP62	Diazed [2]								
	16	20	25	32	35	50	63	80	100
B10	<0,5	0,5	0,9	1,8	2,9	5,6	6	6	6
B13	<0,5	0,5	0,8	1,5	2,4	4,5	6	6	6
B16		0,5	0,8	1,3	2	3,4	6	6	6
B20			0,7	1,3	1,9	3,1	6	6	6
B25				1,1	1,5	2,4	5,5	6	6
B32					1,4	2,1	4,3	6	6
B40						1,4	2,4	2,9	5,1
C10	<0,5	0,5	0,8	1,5	2,4	4,4	6	6	6
C13	<0,5	0,5	0,8	1,4	2,3	4,2	6	6	6
C16		<0,5	0,7	1,2	1,9	3,2	6	6	6
C20			0,7	1,2	1,8	2,9	6	6	6
C25				1,1	1,5	2,3	4,4	6	6
C32					1,4	2,2	4,1	5,6	6
C40						1,6	2,8	3,6	6

*Short circuit selectivity **PKP62** towards fuse link **NH00** [3]*

PKP62	NH00 [3]											
	16	20	25	32	35	40	50	63	80	100	125	160
B10	<0,5	<0,5	0,8	1,5	2,3	3,2	5,7	6	6	6	6	6
B13	<0,5	<0,5	0,8	1,3	1,9	2,7	4,4	6	6	6	6	6
B16		<0,5	0,7	1,1	1,6	2,2	3,4	4,8	6	6	6	6
B20			0,6	1	1,4	2	3,1	4,3	6	6	6	6
B25				0,9	1,2	1,6	2,4	3,4	5,5	6	6	6
B32					1,1	1,4	2,1	2,9	4,3	6	6	6
B40							1,4	1,9	2,8	4,1	6	6
C10	<0,5	<0,5	0,7	1,3	1,9	2,7	4,5	6	6	6	6	6
C13	<0,5	<0,5	0,7	1,2	1,8	2,5	4,1	6	6	6	6	6
C16		<0,5	0,6	1	1,5	2	3,1	4,4	6	6	6	6
C20			0,6	0,9	1,4	1,9	2,9	4,1	6	6	6	6
C25				0,9	1,2	1,6	2,3	3	4,6	6	6	6
C32					1,1	1,5	2,1	2,8	4,3	6	6	6
C40							1,5	2,1	3,1	5,4	6	6

no selectivity

[1] SIEMENS Type 5SE2; Size: D01, D02, D03; Operating class gG; Rated voltage: AC 400 V/DC 250 V

[2] SIEMENS Type 5SB2, 5SB4, 5SC2; Size: DII, DIII, DIV; Operating class gG; Rated voltage: AC 500 V/DC 500 V

[3] SIEMENS Type 3NA3 8, 3NA6 8, 3NA7 8; Size: 000, 00; Operating class gG; Rated voltage: AC 500 V/DC 250 V

Short Circuit Selectivity PKP42 towards Neozed[1] / Diazed[2] / NH00[3]

Short circuit currents in kA, Rated currents of fuses in A

*Short circuit selectivity **PKP42** towards fuse link **Neozed** [1]*

PKP42	Neozed [1]									
	16	20	25	32	35	40	50	63	80	100
B10	<0,5	0,5	0,9	2	2,3	3,7	4,5	4,5	4,5	4,5
B13	<0,5	0,5	0,8	1,7	1,9	3	4,5	4,5	4,5	4,5
B16		0,5	0,7	1,5	1,7	2,4	4,4	4,5	4,5	4,5
B20			0,7	1,4	1,5	2,2	4	4,5	4,5	4,5
B25				1,2	1,3	1,8	3,1	4,7	4,5	4,5
B32					1,2	1,7	2,7	3,8	4,5	4,5
B40						1,3	1,7	2,2	2,7	4,2
C10	<0,5	0,5	0,8	1,7	1,9	3	4,5	4,5	4,5	4,5
C13	<0,5	0,5	0,7	1,6	1,8	2,8	4,5	4,5	4,5	4,5
C16		<0,5	0,7	1,3	1,5	2,2	4	4,5	4,5	4,5
C20			0,6	1,3	1,4	2,1	3,7	4,5	4,5	4,5
C25				1,1	1,3	1,8	2,8	3,9	4,5	4,5
C32					1,2	1,7	2,6	3,6	4,5	4,5
C40						1,3	1,9	3,3	3,2	4,5

*Short circuit selectivity **PKP42** towards fuse link **Diazed** [1]*

PKP42	Diazed [2]								
	16	20	25	32	35	50	63	80	100
B10	<0,5	0,5	0,9	1,8	2,9	4,5	4,5	4,5	4,5
B13	<0,5	0,5	0,8	1,5	2,4	4,5	4,5	4,5	4,5
B16		0,5	0,8	1,3	2	3,4	4,5	4,5	4,5
B20			0,7	1,3	1,9	3,1	4,5	4,5	4,5
B25				1,1	1,5	2,4	4,5	4,5	4,5
B32					1,4	2,1	4,3	4,5	4,5
B40						1,4	2,4	2,9	4,5
C10	<0,5	0,5	0,8	1,5	2,4	4,4	4,5	4,5	4,5
C13	<0,5	0,5	0,8	1,4	2,3	4,2	4,5	4,5	4,5
C16		<0,5	0,7	1,2	1,9	3,2	4,5	4,5	4,5
C20			0,7	1,2	1,8	2,9	4,5	4,5	4,5
C25				1,1	1,5	2,3	4,4	4,5	4,5
C32					1,4	2,2	4,1	4,5	4,5
C40						1,6	2,8	3,6	4,5

*Short circuit selectivity **PKP42** towards fuse link **NH00** [3]*

PKP42	NH00 [3]											
	16	20	25	32	35	40	50	63	80	100	125	160
B10	<0,5	<0,5	0,8	1,5	2,3	3,2	4,5	4,5	4,5	4,5	4,5	4,5
B13	<0,5	<0,5	0,8	1,3	1,9	2,7	4,4	4,5	4,5	4,5	4,5	4,5
B16		<0,5	0,7	1,1	1,6	2,2	3,4	4,5	4,5	4,5	4,5	4,5
B20			0,6	1	1,4	2	3,1	4,3	4,5	4,5	4,5	4,5
B25				0,9	1,2	1,6	2,4	3,4	4,5	4,5	4,5	4,5
B32					1,1	1,4	2,1	2,9	4,3	4,5	4,5	4,5
B40							1,4	1,9	2,8	4,1	4,5	4,5
C10	<0,5	<0,5	0,7	1,3	1,9	2,7	4,5	4,5	4,5	4,5	4,5	4,5
C13	<0,5	<0,5	0,7	1,2	1,8	2,5	4,1	4,5	4,5	4,5	4,5	4,5
C16		<0,5	0,6	1	1,5	2	3,1	4,4	4,5	4,5	4,5	4,5
C20			0,6	0,9	1,4	1,9	2,9	4,1	4,5	4,5	4,5	4,5
C25				0,9	1,2	1,6	2,3	3	4,5	4,5	4,5	4,5
C32					1,1	1,5	2,1	2,8	4,3	4,5	4,5	4,5
C40							1,5	2,1	3,1	4,5	4,5	4,5

no selectivity

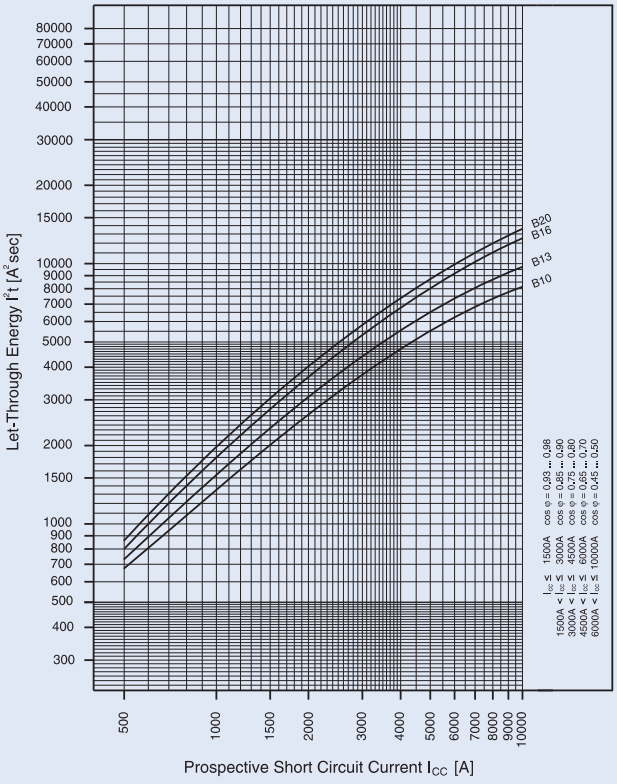
[1] SIEMENS Type 5SE2; Size: D01, D02, D03; Operating class gG; Rated voltage: AC 400 V/DC 250 V

[2] SIEMENS Type 5SB2, 5SB4, 5SC2; Size: DII, DIII, DIV; Operating class gG; Rated voltage: AC 500 V/DC 500 V

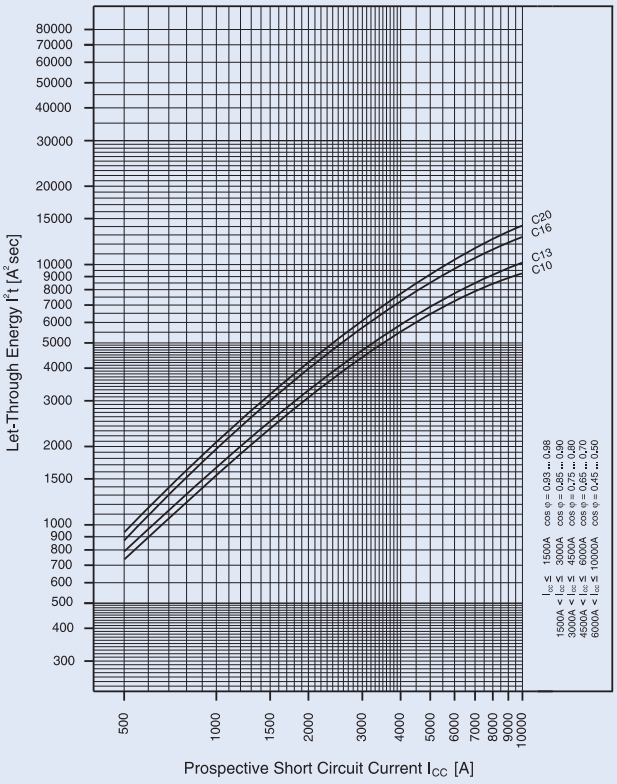
[3] SIEMENS Type 3NA3 8, 3NA6 8, 3NA7 8; Size: 000, 00; Operating class gG; Rated voltage: AC 500 V/DC 250 V

Let-through Energy PKP.2-../2/

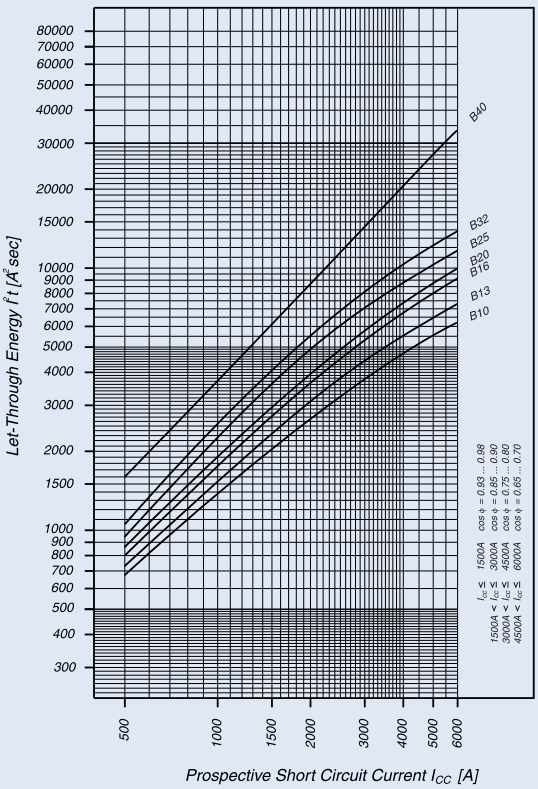
Let-through energy PKPM2, characteristic B, 2-pole



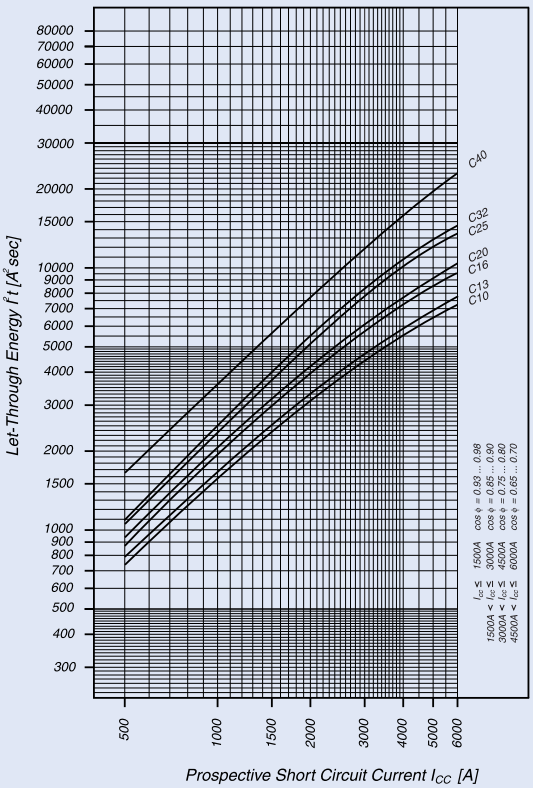
Let-through energy PKPM2, characteristic C, 2-pole



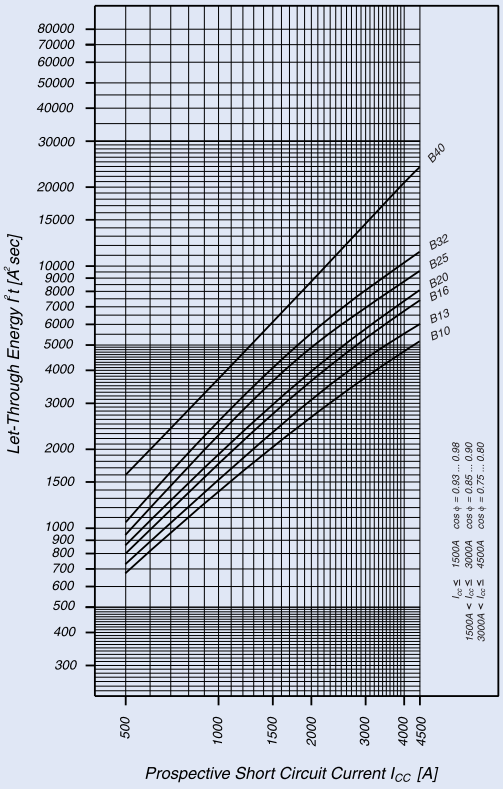
Let-through energy PKP62, characteristic B, 2-pole



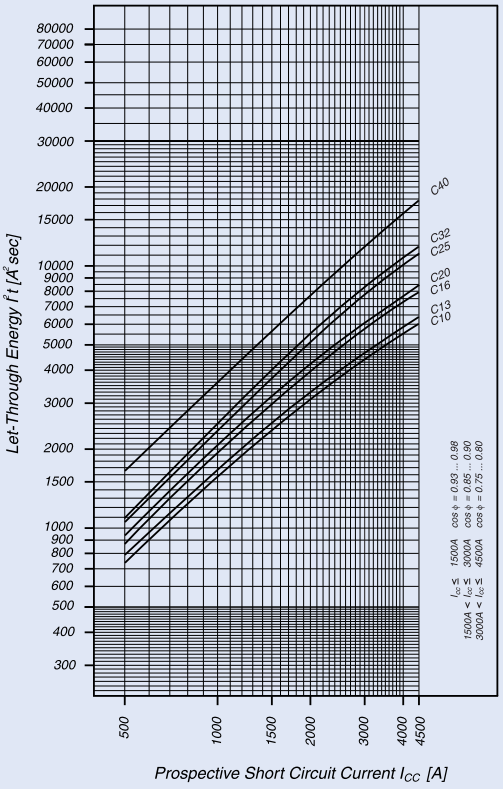
Let-through energy PKP62, characteristic C, 2-pole



Let-through energy PKP42, characteristic B, 2-pole



Let-through energy PKP42, characteristic C, 2-pole



Combined RCD/MCB Devices PKPM3, 3-pole

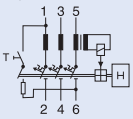
- Combined RCD/MCB device
- Line voltage-independent tripping
- Compatible with standard busbar
- Twin-purpose terminal (lift/open-mouthed) above and below
- Busbar positioning optionally above or below
- Free terminal space despite installed busbar
- Guide for secure terminal connection
- Switching toggle in colour designating the rated current
- Contact position indicator red - green
- Fault current tripping indicator white - blue
- Comprehensive range of accessories suitable for subsequent installation
- **Type -A**: Protects against special forms of residual pulsating DC which have have not been smoothed
- **Typ -G:** 10 ms time delay in order to avoid unwanted tripping (e.g. during thunderstorms).
  Compulsory in Austria for any circuit where personal injury or damage to property may occur in case of unwanted tripping (§12.1.6 ÖVE/ÖNORM E 8001-1).

Accessories:

Auxiliary switch for subsequent installation	ZP-IHK	286052
	ZP-NHK	248437
	ZP-WHK	286053
Shunt trip release	ZP-ASA/..	248438, 248439
Undervoltage release	Z-USA	258288, 248289, 248290
	Z-USD	248292, 248291
Switching interlock	IS/SPE-1TE	101911

Connection diagram

3-pole

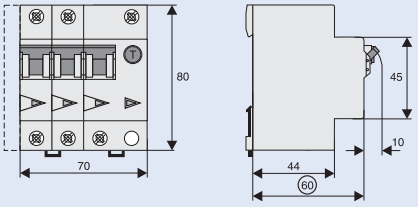


Technical Data

Electrical		
Design according to		IEC/EN 61009
Current test marks as printed onto the device		
Tripping		
line voltage-independent		instantaneous 250A (8/20µs) surge current-proof
Rated voltage U_e		230/400V; 50Hz
Rated tripping current $I_{\Delta n}$		30, 100 mA
Rated non-tripping current $I_{\Delta no}$		0.5 $I_{\Delta n}$
Sensitivity		A (pulsating DC)
Selectivity class		3
Rated breaking capacity		10 kA
Rated current		10 - 20 A
Rated peak withstand voltage U_{imp}		4 kV (1.2/50µs)
Characteristic		B, C
Maximum back-up fuse (short circuit)		100 A gL (>10 kA)
Endurance	electrical comp.	≥ 2,000 operating cycles
	mechanical comp.	≥ 10,000 operating cycles

Mechanical	
Frame size	45 mm
Device height	80 mm
Device width	70 mm (4MU)
Mounting	3-position DIN rail clip, permits removal from existing busbar system
Upper and lower terminals	open mouthed/lift terminals
Terminal protection	finger and hand touch safe, VBG4, ÖVE-EN 6
Terminal capacity	1 - 25 mm^2
Busbar thickness	0.8 - 2 mm
Degree of protection switch	IP20
Degree of protection, built-in	IP40
Tripping temperature	-25°C to +40°C
Storage- and transport temperature	-35°C to +60°C
Resistance to climatic conditions	acc. to IEC/EN 61009

Dimensions (mm)



Tripping Characteristic PKPM3, Characteristics B and C