SG14111

Description

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

$I_n/I_{\Delta n}$ (A)	Type Designation	Article No.	Units per package

Type G

6 kA, 1+N-pole
Surge current-proof 3 kA, type G (ÖVE E 8601)

SG14111

Characteristic B

13/0.03	PKN6-13/1N/B/003-G	236565	1/60
16/0.03	PKN6-16/1N/B/003-G	236637	1/60
20/0.03	PKN6-20/1N/B/003-G	236671	1/60
25/0.03	PKN6-25/1N/B/003-G	236701	1/60
32/0.03	PKN6-32/1N/B/003-G	236731	1/60
40/0.03	PKN6-40/1N/B/003-G	236760	1/60
13/0.3	PKN6-13/1N/B/03-G	236566	1/60
16/0.3	PKN6-16/1N/B/03-G	236638	1/60
20/0.3	PKN6-20/1N/B/03-G	236672	1/60
25/0.3	PKN6-25/1N/B/03-G	236702	1/60
32/0.3	PKN6-32/1N/B/03-G	236732	1/60
40/0.3	PKN6-40/1N/B/03-G	236761	1/60

SG14111

Characteristic C

13/0.03	PKN6-13/1N/C/003-G	236577	1/60
16/0.03	PKN6-16/1N/C/003-G	236649	1/60
20/0.03	PKN6-20/1N/C/003-G	236681	1/60
25/0.03	PKN6-25/1N/C/003-G	236711	1/60
32/0.03	PKN6-32/1N/C/003-G	236741	1/60
40/0.03	PKN6-40/1N/C/003-G	236770	1/60
13/0.3	PKN6-13/1N/C/03-G	236578	1/60
16/0.3	PKN6-16/1N/C/03-G	236650	1/60
20/0.3	PKN6-20/1N/C/03-G	236682	1/60
25/0.3	PKN6-25/1N/C/03-G	236712	1/60
32/0.3	PKN6-32/1N/C/03-G	236742	1/60
40/0.3	PKN6-40/1N/C/03-G	236771	1/60

Explanation PKN6:
P = xPole, KN = Combined RCD/MCB Devices, 6 = 6 kA

SG14111

$I_n/I_{\Delta n}$ (A)	Type Designation	Article No.	Units per package
Type A			
6 kA, 1+N-pole			
Conditionally surge current-proof 250 A, sensitive to residual pulsating DC, type A			
Characteristic B			
2/0.01	PKN6-2/1N/B/001-A	236359	1/60
4/0.01	PKN6-4/1N/B/001-A	236389	1/60
6/0.01	PKN6-6/1N/B/001-A	236439	1/60
10/0.01	PKN6-10/1N/B/001-A	236499	1/60
13/0.01	PKN6-13/1N/B/001-A	236560	1/60
16/0.01	PKN6-16/1N/B/001-A	236632	1/60
2/0.03	PKN6-2/1N/B/003-A	236360	1/60
4/0.03	PKN6-4/1N/B/003-A	236390	1/60
6/0.03	PKN6-6/1N/B/003-A	236440	1/60
10/0.03	PKN6-10/1N/B/003-A	236500	1/60
13/0.03	PKN6-13/1N/B/003-A	236561	1/60
16/0.03	PKN6-16/1N/B/003-A	236633	1/60
20/0.03	PKN6-20/1N/B/003-A	236667	1/60
25/0.03	PKN6-25/1N/B/003-A	236697	1/60
32/0.03	PKN6-32/1N/B/003-A	236727	1/60
40/0.03	PKN6-40/1N/B/003-A	236756	1/60
2/0.1	PKN6-2/1N/B/01-A	236361	1/60
4/0.1	PKN6-4/1N/B/01-A	236391	1/60
6/0.1	PKN6-6/1N/B/01-A	236441	1/60
10/0.1	PKN6-10/1N/B/01-A	236501	1/60
13/0.1	PKN6-13/1N/B/01-A	236562	1/60
16/0.1	PKN6-16/1N/B/01-A	236634	1/60
20/0.1	PKN6-20/1N/B/01-A	236668	1/60
25/0.1	PKN6-25/1N/B/01-A	236698	1/60
32/0.1	PKN6-32/1N/B/01-A	236728	1/60
40/0.1	PKN6-40/1N/B/01-A	236757	1/60
2/0.3	PKN6-2/1N/B/03-A	236362	1/60
4/0.3	PKN6-4/1N/B/03-A	236392	1/60
6/0.3	PKN6-6/1N/B/03-A	236442	1/60
10/0.3	PKN6-10/1N/B/03-A	236502	1/60
13/0.3	PKN6-13/1N/B/03-A	236563	1/60
16/0.3	PKN6-16/1N/B/03-A	236635	1/60
20/0.3	PKN6-20/1N/B/03-A	236669	1/60
25/0.3	PKN6-25/1N/B/03-A	236699	1/60
32/0.3	PKN6-32/1N/B/03-A	236729	1/60
40/0.3	PKN6-40/1N/B/03-A	236758	1/60

Explanation PKN6:
P = xPole, KN = Combined RCD/MCB Devices, 6 = 6 kA

SG14111

$I_n/I_{\Delta n}$ (A)	Type Designation	Article No.	Units per package
Characteristic C			
2/0.01	PKN6-2/1N/C/001-A	236369	1/60
4/0.01	PKN6-4/1N/C/001-A	236399	1/60
6/0.01	PKN6-6/1N/C/001-A	236449	1/60
10/0.01	PKN6-10/1N/C/001-A	236509	1/60
13/0.01	PKN6-13/1N/C/001-A	236572	1/60
16/0.01	PKN6-16/1N/C/001-A	236644	1/60
2/0.03	PKN6-2/1N/C/003-A	236370	1/60
4/0.03	PKN6-4/1N/C/003-A	236400	1/60
6/0.03	PKN6-6/1N/C/003-A	236450	1/60
10/0.03	PKN6-10/1N/C/003-A	236510	1/60
13/0.03	PKN6-13/1N/C/003-A	236573	1/60
16/0.03	PKN6-16/1N/C/003-A	236645	1/60
20/0.03	PKN6-20/1N/C/003-A	236677	1/60
25/0.03	PKN6-25/1N/C/003-A	236707	1/60
32/0.03	PKN6-32/1N/C/003-A	236737	1/60
40/0.03	PKN6-40/1N/C/003-A	236766	1/60
2/0.1	PKN6-2/1N/C/01-A	236371	1/60
4/0.1	PKN6-4/1N/C/01-A	236401	1/60
6/0.1	PKN6-6/1N/C/01-A	236451	1/60
10/0.1	PKN6-10/1N/C/01-A	236511	1/60
13/0.1	PKN6-13/1N/C/01-A	236574	1/60
16/0.1	PKN6-16/1N/C/01-A	236646	1/60
20/0.1	PKN6-20/1N/C/01-A	236678	1/60
25/0.1	PKN6-25/1N/C/01-A	236708	1/60
32/0.1	PKN6-32/1N/C/01-A	236738	1/60
40/0.1	PKN6-40/1N/C/01-A	236767	1/60
2/0.3	PKN6-2/1N/C/03-A	236372	1/60
4/0.3	PKN6-4/1N/C/03-A	236402	1/60
6/0.3	PKN6-6/1N/C/03-A	236452	1/60
10/0.3	PKN6-10/1N/C/03-A	236512	1/60
13/0.3	PKN6-13/1N/C/03-A	236575	1/60
16/0.3	PKN6-16/1N/C/03-A	236647	1/60
20/0.3	PKN6-20/1N/C/03-A	236679	1/60
25/0.3	PKN6-25/1N/C/03-A	236709	1/60
32/0.3	PKN6-32/1N/C/03-A	236739	1/60
40/0.3	PKN6-40/1N/C/03-A	236768	1/60

Explanation PKN6:
P = xPole, KN = Combined RCD/MCB Devices, 6 = 6 kA

SG14111

$I_n/I_{\Delta n}$ (A)	Type Designation	Article No.	Units per package
Type AC			
6 kA, 1+N-pole			
Conditionally surge current-proof 250 A, type AC			
Characteristic B			
2/0.01	PKN6-2/1N/B/001	236354	1/60
4/0.01	PKN6-4/1N/B/001	236385	1/60
6/0.01	PKN6-6/1N/B/001	236434	1/60
10/0.01	PKN6-10/1N/B/001	236494	1/60
13/0.01	PKN6-13/1N/B/001	236555	1/60
16/0.01	PKN6-16/1N/B/001	236627	1/60
2/0.03	PKN6-2/1N/B/003	236355	1/60
4/0.03	PKN6-4/1N/B/003	236384	1/60
6/0.03	PKN6-6/1N/B/003	236435	1/60
10/0.03	PKN6-10/1N/B/003	236495	1/60
13/0.03	PKN6-13/1N/B/003	236556	1/60
16/0.03	PKN6-16/1N/B/003	236628	1/60
20/0.03	PKN6-20/1N/B/003	236663	1/60
25/0.03	PKN6-25/1N/B/003	236693	1/60
32/0.03	PKN6-32/1N/B/003	236723	1/60
40/0.03	PKN6-40/1N/B/003	236752	1/60
2/0.1	PKN6-2/1N/B/01	236356	1/60
4/0.1	PKN6-4/1N/B/01	236386	1/60
6/0.1	PKN6-6/1N/B/01	236436	1/60
10/0.1	PKN6-10/1N/B/01	236496	1/60
13/0.1	PKN6-13/1N/B/01	236557	1/60
16/0.1	PKN6-16/1N/B/01	236629	1/60
20/0.1	PKN6-20/1N/B/01	236664	1/60
25/0.1	PKN6-25/1N/B/01	236694	1/60
32/0.1	PKN6-32/1N/B/01	236724	1/60
40/0.1	PKN6-40/1N/B/01	236753	1/60
2/0.3	PKN6-2/1N/B/03	236357	1/60
4/0.3	PKN6-4/1N/B/03	236387	1/60
6/0.3	PKN6-6/1N/B/03	236437	1/60
10/0.3	PKN6-10/1N/B/03	236497	1/60
13/0.3	PKN6-13/1N/B/03	236558	1/60
16/0.3	PKN6-16/1N/B/03	236630	1/60
20/0.3	PKN6-20/1N/B/03	236665	1/60
25/0.3	PKN6-25/1N/B/03	236695	1/60
32/0.3	PKN6-32/1N/B/03	236725	1/60
40/0.3	PKN6-40/1N/B/03	236754	1/60

Explanation PKN6:
P = xPole, KN = Combined RCD/MCB Devices, 6 = 6 kA

SG14111

$I_n/I_{\Delta n}$ (A)	Type Designation	Article No.	Units per package
Characteristic C			
2/0.01	PKN6-2/1N/C/001	236364	1/60
4/0.01	PKN6-4/1N/C/001	236394	1/60
6/0.01	PKN6-6/1N/C/001	236444	1/60
10/0.01	PKN6-10/1N/C/001	236504	1/60
13/0.01	PKN6-13/1N/C/001	236567	1/60
16/0.01	PKN6-16/1N/C/001	236639	1/60
2/0.03	PKN6-2/1N/C/003	236365	1/60
4/0.03	PKN6-4/1N/C/003	236395	1/60
6/0.03	PKN6-6/1N/C/003	236445	1/60
10/0.03	PKN6-10/1N/C/003	236505	1/60
13/0.03	PKN6-13/1N/C/003	236568	1/60
16/0.03	PKN6-16/1N/C/003	236640	1/60
20/0.03	PKN6-20/1N/C/003	236673	1/60
25/0.03	PKN6-25/1N/C/003	236703	1/60
32/0.03	PKN6-32/1N/C/003	236733	1/60
40/0.03	PKN6-40/1N/C/003	236762	1/60
2/0.1	PKN6-2/1N/C/01	236366	1/60
4/0.1	PKN6-4/1N/C/01	236396	1/60
6/0.1	PKN6-6/1N/C/01	236446	1/60
10/0.1	PKN6-10/1N/C/01	236506	1/60
13/0.1	PKN6-13/1N/C/01	236569	1/60
16/0.1	PKN6-16/1N/C/01	236641	1/60
20/0.1	PKN6-20/1N/C/01	236674	1/60
25/0.1	PKN6-25/1N/C/01	236704	1/60
32/0.1	PKN6-32/1N/C/01	236734	1/60
40/0.1	PKN6-40/1N/C/01	236763	1/60
2/0.3	PKN6-2/1N/C/03	236367	1/60
4/0.3	PKN6-4/1N/C/03	236397	1/60
6/0.3	PKN6-6/1N/C/03	236447	1/60
10/0.3	PKN6-10/1N/C/03	236507	1/60
13/0.3	PKN6-13/1N/C/03	236570	1/60
16/0.3	PKN6-16/1N/C/03	236642	1/60
20/0.3	PKN6-20/1N/C/03	236675	1/60
25/0.3	PKN6-25/1N/C/03	236705	1/60
32/0.3	PKN6-32/1N/C/03	236735	1/60
40/0.3	PKN6-40/1N/C/03	236764	1/60

Explanation PKN6:
P = xPole, KN = Combined RCD/MCB Devices, 6 = 6 kA

Specifications | Combined RCD/MCB Devices PKN6, 1+N-pole

Description

- Combined RCD/MCB Devices
- 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
- Comprehensive range of accessories can be mounted subsequently
- The test key "T" must be pressed every 6 month. The system operator must be informed of this obligation and his responsibility in a way that can be proven (self-adhesive RCD-label enclosed). The test intervall of 6 month is valid for residential and similar applications. Under all other conditions (e.g. damply or dusty environments), it's recommended to test in shorter intervalls (e.g. monthly).
- Pressing the test key "T" serves the only purpose of function testing the residual current device (RCD). This test does not make earthing resistance measurement (R_E), or proper checking of the earth conductor condition redundant, which must be performed separately.
- **Type -A**: Protects against special forms of residual pulsating DC which have have not been smoothed
- **Type -G**: 10 ms time delay in order to avoid unwanted tripping (e.g. during thunderstorms) according to ÖVE E 8601.
  Compulsory in Austria for any circuit where personal injury or damage to property may occur in case of unwanted tripping (ÖVE-EN1, Part 1, §12.14).

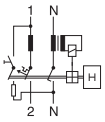
Accessories:		
Auxiliary switch for subsequent installation	ZP-IHK	286052
	ZP-WHK	286053
Tripping signal switch for subsequent installation	ZP-NHK	248437
Shunt trip release	ZP-ASA/..	248438, 248439
Terminal cover cap	KLV-TC-2	276240
Additional terminal 35 mm^2	Z-HA-EK/35	263960

Technical Data

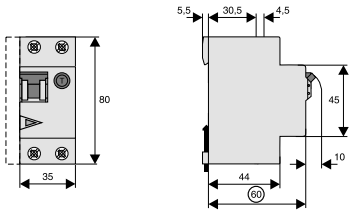
		PKN6, 1+N-pole
Electrical		
Design according to		IEC/EN 61009
Current test marks as printed onto the device		
Line voltage-independent tripping		instantaneous 250 A (8/20 µs), surge current proof
Type G		10 ms delay 3 kA (8/20 µs), surge current proof
Rated voltage	U_e	230 V AC; 50 Hz
Operational voltage range		196-253 V
Rated tripping current	$I_{\Delta n}$	10, 30, 100, 300 mA
Rated non-tripping current	$I_{\Delta no}$	0.5 $I_{\Delta n}$
Rated insulation voltage	U_i	440 VAC
Sensitivity		AC and pulsating DC
Selectivity class		3
Rated breaking capacity	I_{cn}	6 kA
Rated current		2 - 40 A
Rated impulse withstand voltage	U_{imp}	4 kV (1.2/50 µs)
Characteristic		B, C
Maximum back-up fuse (short circuit)		100 A gL (>6 kA)
Endurance		
electrical components		≥ 4,000 switching operations
mechanical components		≥ 20,000 switching operations
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
Degree of protection, switch		IP20
Degree of protection, built-in		IP40
Upper and lower terminals		open mouthed/lift terminals
Terminal protection		finger and hand touch safe, DGUV VS3, EN 50274
Terminal capacity		1 - 25 mm^2
Terminal torque		2 - 2.4 Nm
Busbar thickness		0.8 - 2 mm
Tripping temperature		-25°C to +40°C
Storage- and transport temperature		-35°C to +60°C
Resistance to climatic conditions		according to IEC/EN 61009

Connection diagram

1+N-pole



Dimensions (mm)

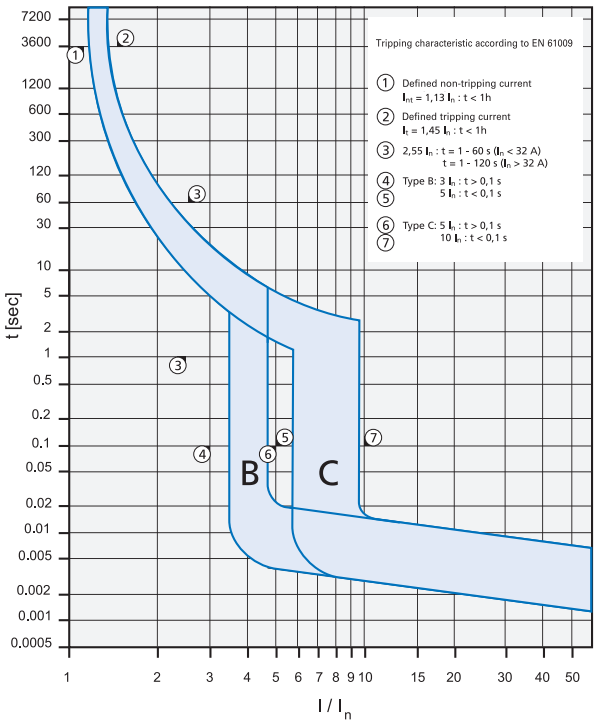


Load Capacity PKN6-../1N/

Effect of ambient temperature (MCB component)

	Ambient temperature T [°C]								
I_n [A]	-25	-20	-10	0	10	20	30	35	40
2	2.5	2.4	2.3	2.2	2.2	2.1	2.0	2.0	1.9
4	4.9	4.8	4.7	4.5	4.3	4.2	4.0	3.9	3.9
5	6.2	6.0	5.8	5.6	5.4	5.2	5.0	4.9	4.8
6	7.4	7.2	7.0	6.7	6.5	6.3	6.0	5.9	5.8
8	9.9	9.6	9.3	9.0	8.7	8.4	8.0	7.9	7.7
10	12	12	12	11	11	10	10	9.9	9.7
12	15	14	14	13	13	13	12	12	12
13	16	16	15	15	14	14	13	13	13
15	19	18	17	17	16	16	15	15	15
16	20	19	19	18	17	17	16	16	15
20	25	24	23	22	22	21	20	20	19
25	31	30	29	28	27	26	25	25	24
32	40	38	37	36	35	33	32	32	31
40	49	48	47	45	43	42	40	39	39

Tripping Characteristic PKN6-../1N/, Characteristics B and C



Short Circuit Selectivity PKN6-../1N/ towards DII-DIV fuse link

In case of short circuit, there is selectivity between the combined RCD/MCB devices PKN6../1N/ and the upstream fuses up to the specified values of the selectivity limit current I_s [kA] (i. e. in case of short-circuit currents I_{ks} under I_s , only the MCB will trip, in case of short circuit currents above this value both protective devices will respond).

*) basically in accordance with EN 60898-1 D.5.2.b

Short circuit selectivity **Characteristic B** towards fuse link **DII-DIV***)

PKN6	DII-DIV gL/gG								
I_n [A]	10	16	20	25	35	50	63	80	100
2	<0.5[1]	<0.5[1]	2.2	6.0[2]	6.0[2]	6.0[2]	6.0[2]	6.0[2]	6.0[2]
4	<0.5[1]	<0.5[1]	0.7	1.2	3.7	6.0[2]	6.0[2]	6.0[2]	6.0[2]
6		<0.5[1]	0.7	1.0	2.9	6.0[2]	6.0[2]	6.0[2]	6.0[2]
8		<0.5[1]	0.6	1.0	2.4	5.1	6.0[2]	6.0[2]	6.0[2]
10			0.6	0.9	1.9	3.3	6.0[2]	6.0[2]	6.0[2]
13			0.5	0.7	1.6	2.8	5.7	6.0[2]	6.0[2]
16				0.7	1.4	2.4	4.4	6.0[2]	6.0[2]
20					1.3	2.2	4.0	6.0[2]	6.0[2]
25					1.3	2.1	3.8	5.8	6.0[2]
32						2.0	3.5	5.2	6.0[2]
40							3.1	4.5	6.0[2]

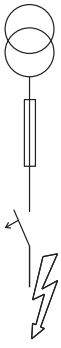
Short circuit selectivity **Characteristic C** towards fuse link **DII-DIV***)

PKN6	DII-DIV gL/gG								
I_n [A]	10	16	20	25	35	50	63	80	100
2	<0.5[1]	<0.5[1]	1.7	6.0[2]	6.0[2]	6.0[2]	6.0[2]	6.0[2]	6.0[2]
4	<0.5[1]	<0.5[1]	0.7	1.3	4.2	6.0[2]	6.0[2]	6.0[2]	6.0[2]
5	<0.5[1]	<0.5[1]	0.6	1.1	3.6	6.0[2]	6.0[2]	6.0[2]	6.0[2]
6		<0.5[1]	0.6	1.0	2.9	5.8	6.0[2]	6.0[2]	6.0[2]
8		<0.5[1]	<0.5	0.9	2.5	4.8	6.0[2]	6.0[2]	6.0[2]
10			<0.5	0.7	1.5	2.6	5.3	6.0[2]	6.0[2]
13					1.4	2.3	4.6	6.0[2]	6.0[2]
16					1.2	1.8	3.4	5.5	6.0[2]
20					1.2	1.7	3.1	5.0	6.0[2]
25						1.6	2.9	4.6	6.0[2]
32							2.3	3.4	6.0[2]
40								2.9	6.0[2]

[1] Selectivity limit current I_s under 0.5 kA.

[2] Selectivity limit current I_s = rated breaking capacity I_{cn} of the RCD/MCB device

Darker areas: no selectivity



Short Circuit Selectivity PKN6-../1N/ towards D01-D03 fuse link

In case of short circuit, there is selectivity between the combined RCD/MCB devices PKN6../1N/ and the upstream fuses up to the specified values of the selectivity limit current I_s [kA] (i. e. in case of short-circuit currents I_{ks} under I_s , only the MCB will trip, in case of short circuit currents above this value both protective devices will respond).
*) basically in accordance with EN 60898-1 D.5.2.b

Short circuit selectivity **Characteristic B** towards fuse link **D01-D03***)

PKN6	D01-D03 gL/gG								
I_n [A]	10	16	20	25	35	50	63	80	100
2	<0.5[1]	0.7	1.6	3.3	6.0[2]	6.0[2]	6.0[2]	6.0[2]	6.0[2]
4	<0.5[1]	<0.5[1]	0.6	0.9	2.9	6.0[2]	6.0[2]	6.0[2]	6.0[2]
6		<0.5[1]	0.5	0.8	2.4	6.0[2]	6.0[2]	6.0[2]	6.0[2]
8			0.6	0.8	2.0	6.0[2]	6.0[2]	6.0[2]	6.0[2]
10			0.5	0.8	1.6	3.7	6.0[2]	6.0[2]	6.0[2]
13			0.6	0.7	1.4	3.0	4.7	6.0[2]	6.0[2]
16				0.6	1.2	2.6	3.9	6.0[2]	6.0[2]
20					1.2	2.5	3.6	6.0[2]	6.0[2]
25					1.2	2.3	3.3	5.7	6.0[2]
32						2.3	3.1	5.1	6.0[2]
40							2.8	4.5	6.0[2]

Short circuit selectivity **Characteristic C** towards fuse link **D01-D03***)

PKN6	D01-D03 gL/gG								
I_n [A]	10	16	20	25	35	50	63	80	100
2	<0.5[1]	0.5	0.5	2.4	6.0[2]	6.0[2]	6.0[2]	6.0[2]	6.0[2]
4	<0.5[1]	<0.5[1]	<0.5[1]	0.9	3.4	6.0[2]	6.0[2]	6.0[2]	6.0[2]
5	<0.5[1]	<0.5[1]	<0.5[1]	0.9	2.9	6.0[2]	6.0[2]	6.0[2]	6.0[2]
6		<0.5[1]	<0.5[1]	0.8	2.3	6.0[2]	6.0[2]	6.0[2]	6.0[2]
8			<0.5	0.7	2.1	5.5	6.0[2]	6.0[2]	6.0[2]
10			<0.5	0.6	1.3	2.9	4.5	6.0[2]	6.0[2]
13					1.2	2.5	3.9	6.0[2]	6.0[2]
16					1.0	2.1	3.0	5.5	6.0[2]
20					1.0	2.0	2.7	5.0	6.0[2]
25						1.9	2.6	4.5	6.0[2]
32							2.1	3.4	6.0[2]
40								3.0	6.0[2]

Short Circuit Selectivity PKN6-../1N/ towards NH-00 fuse link

In case of short circuit, there is selectivity between the combined RCD/MCB devices PKN6../1N/ and the upstream fuses up to the specified values of the selectivity limit current I_s [kA] (i. e. in case of short-circuit currents I_{ks} under I_s , only the MCB will trip, in case of short circuit currents above this value both protective devices will respond).
*) basically in accordance with EN 60898-1 D.5.2.b

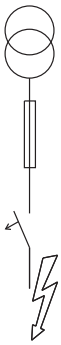
Short circuit selectivity **Characteristic B** towards fuse link **NH-00***)

PKN6	NH-00 gL/gG											
I_n [A]	16	20	25	32	35	40	50	63	80	100	125	160
2	<0.5[1]	1.1	3.6	6.0[2]	6.0[2]	6.0[2]	6.0[2]	6.0[2]	6.0[2]	6.0[2]	6.0[2]	6.0[2]
4	<0.5[1]	0.5	0.9	1.6	2.8	4.4	6.0[2]	6.0[2]	6.0[2]	6.0[2]	6.0[2]	6.0[2]
6	<0.5[1]	0.5	0.8	1.4	2.2	3.3	6.0[2]	6.0[2]	6.0[2]	6.0[2]	6.0[2]	6.0[2]
8	<0.5[1]	<0.5[1]	0.7	1.0	1.9	2.8	5.3	6.0[2]	6.0[2]	6.0[2]	6.0[2]	6.0[2]
10		<0.5[1]	0.7	0.9	1.5	2.1	3.4	4.3	6.0[2]	6.0[2]	6.0[2]	6.0[2]
13		<0.5[1]	0.6	0.8	1.4	1.8	2.8	3.6	5.7	6.0[2]	6.0[2]	6.0[2]
16			0.6	0.7	1.2	1.5	2.4	3.0	4.5	6.0[2]	6.0[2]	6.0[2]
20				0.7	1.1	1.5	2.2	2.8	4.2	6.0[2]	6.0[2]	6.0[2]
25				0.7	1.1	1.4	2.1	2.6	4.0	6.0[2]	6.0[2]	6.0[2]
32					1.0	1.4	2.0	2.5	3.7	6.0[2]	6.0[2]	6.0[2]
40								2.3	3.4	6.0[2]	6.0[2]	6.0[2]

Short circuit selectivity **Characteristic C** towards fuse link **NH-00***)

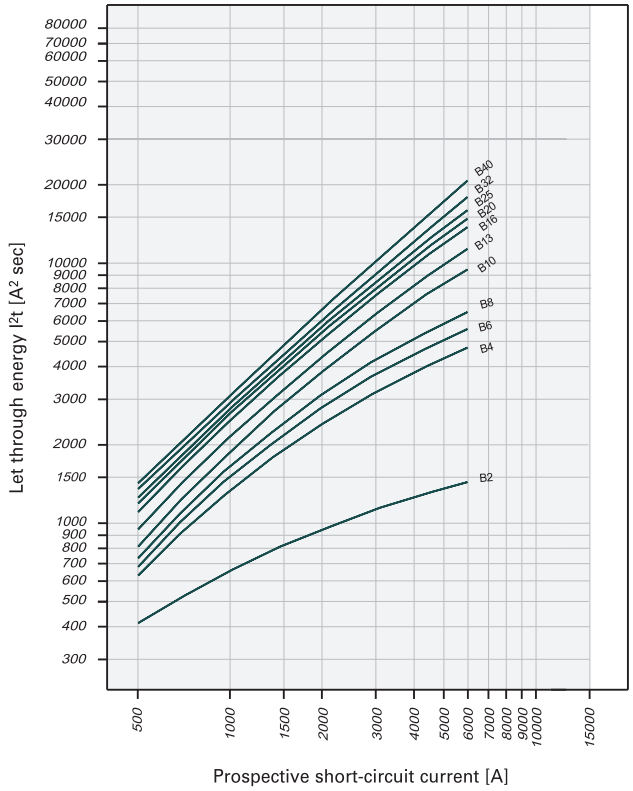
PKN6	NH-00 gL/gG											
I_n [A]	16	20	25	32	35	40	50	63	80	100	125	160
2	<0.5[1]	0.6	2.6	6.0[2]	6.0[2]	6.0[2]	6.0[2]	6.0[2]	6.0[2]	6.0[2]	6.0[2]	6.0[2]
4	<0.5[1]	<0.5[1]	0.9	1.8	3.2	4.8	6.0[2]	6.0[2]	6.0[2]	6.0[2]	6.0[2]	6.0[2]
5	<0.5[1]	<0.5[1]	0.8	1.6	2.7	4.1	6.0[2]	6.0[2]	6.0[2]	6.0[2]	6.0[2]	6.0[2]
6	<0.5[1]	<0.5[1]	0.7	1.3	2.2	3.3	5.9	6.0[2]	6.0[2]	6.0[2]	6.0[2]	6.0[2]
8	<0.5[1]	<0.5[1]	0.6	1.1	1.9	2.8	5.0	6.0[2]	6.0[2]	6.0[2]	6.0[2]	6.0[2]
10			0.5	0.8	1.2	1.7	2.7	3.4	5.5	6.0[2]	6.0[2]	6.0[2]
13					1.1	1.5	2.3	2.9	4.7	6.0[2]	6.0[2]	6.0[2]
16					1.0	1.3	1.8	2.3	3.7	6.0[2]	6.0[2]	6.0[2]
20					0.9	1.1	1.7	2.2	3.4	6.0[2]	6.0[2]	6.0[2]
25							1.6	2.1	3.2	6.0[2]	6.0[2]	6.0[2]
32								1.7	2.6	5.3	6.0[2]	6.0[2]
40									2.4	4.5	6.0[2]	6.0[2]

[1] Selectivity limit current I_s under 0.5 kA.
[2] Selectivity limit current I_s = rated breaking capacity I_{cn} of the RCD/MCB device
Darker areas: no selectivity



Let-through Energy PKN6-../1N/

Let-through Energy PKN6, Characteristic B, 1+N-pole



Let-through Energy PKN6, Characteristic C, 1+N-pole