

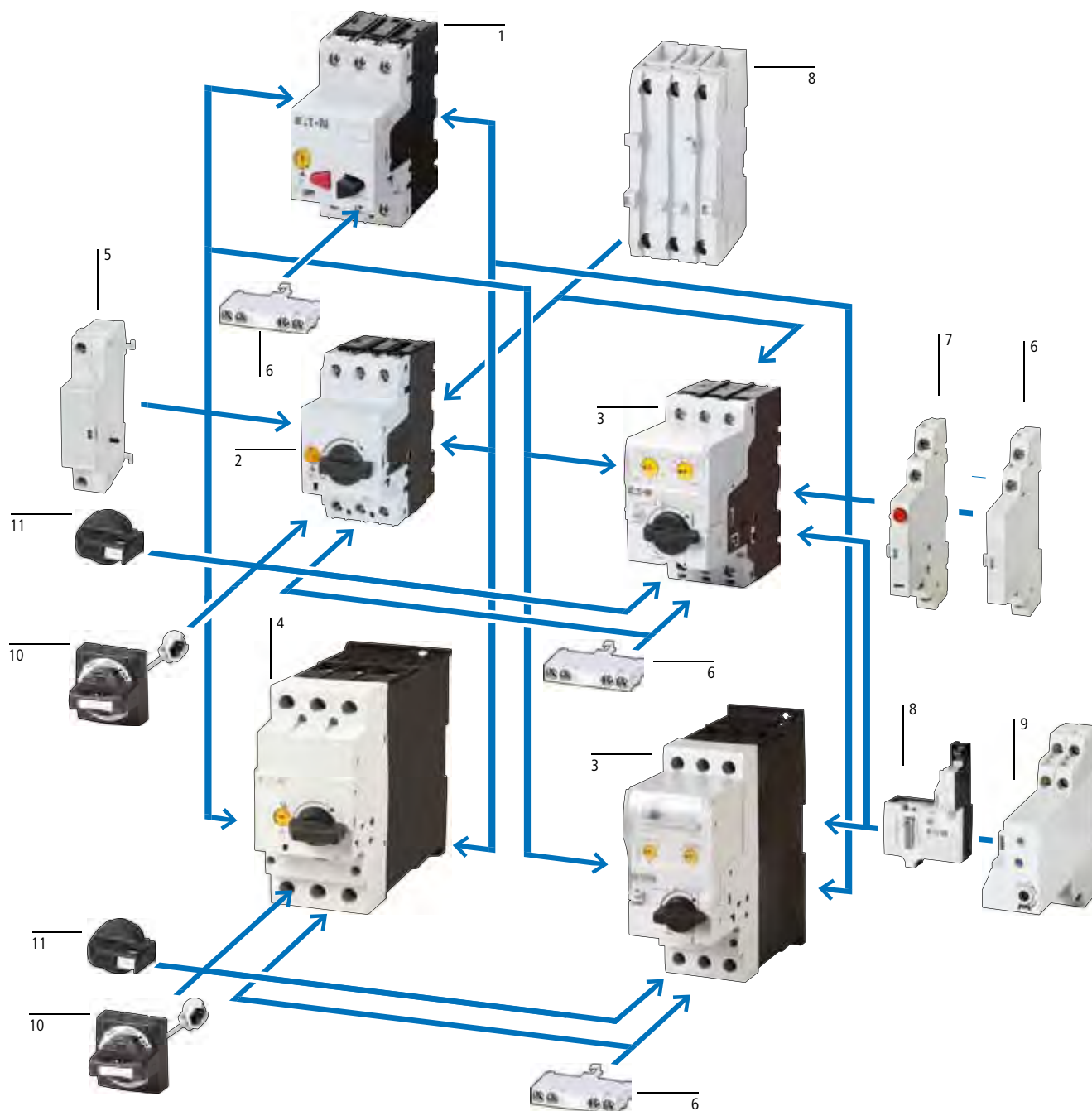
PKZM0



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System overview

3



Basic devices

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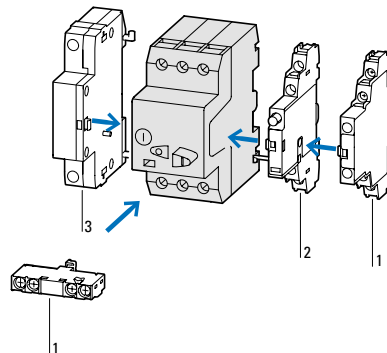
Assembly accessories

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Product selection

max. Motor rating AC-3			Rated uninterrupted current	Settings range		Type Article no.	Std. pack	Type Article no.	Std. pack
220 V	380 V	440 V		Overload trip	Short-circuit release				
230 V	400 V							Motor-protective circuit breaker in enclosure → page 3/20	
240 V	415 V								
P	P	P	I_u	I_r	I_{rm}				
kW	kW	kW	A	A	A				
Motor-protective circuit breakers – type “1” and “2” coordination									
–	–	–	0.16	0.1 - 0.16	2.5	PKZM01-0.16¹⁾ 278475	1 pc. 	PKZM01-0.16-G 286068	1 pc.
–	0.06	0.06	0.25	0.16 - 0.25	3.9	PKZM01-0.25¹⁾ 278476		PKZM01-0.25-G 286069	
0.06	0.09	0.12	0.4	0.25 - 0.4	6.2	PKZM01-0.4¹⁾ 278477		PKZM01-0.4-G 286080	
0.09	0.12	0.18	0.63	0.4 - 0.63	9.8	PKZM01-0.63¹⁾ 278478		PKZM01-0.63-G 286081	
0.12	0.25	0.25	1	0.63 - 1	15.5	PKZM01-1¹⁾ 278479		PKZM01-1-G 286082	
0.25	0.55	0.55	1.6	1 - 1.6	24.8	PKZM01-1.6¹⁾ 278480		PKZM01-1.6-G 286083	
0.37	0.75	1.1	2.5	1.6 - 2.5	38.8	PKZM01-2.5¹⁾ 278481		PKZM01-2.5-G 286084	
0.75	1.5	1.5	4	2.5 - 4	62	PKZM01-4¹⁾ 278482		PKZM01-4-G 286085	
1.1	2.2	3	6.3	4 - 6.3	97.7	PKZM01-6.3¹⁾ 278483		PKZM01-6.3-G 286086	
2.2	4	4	10	6.3 - 10	155	PKZM01-10¹⁾ 278484		PKZM01-10-G 286087	
3	5.5	5.5	12	8 - 12	186	PKZM01-12¹⁾ 278485		PKZM01-12-G 286088	
4	7.5	9	16	10 - 16	248	PKZM01-16¹⁾ 283390		PKZM01-16-G 286089	
5.5	9	11	20	16 - 20	310	PKZM01-20¹⁾ 283383		–	
5.5	12.5	12.5	25	20 - 25	388	PKZM01-25¹⁾ 288893		–	

Notes



Accessories

- 1 Standard auxiliary contact → 3/14
 2 Trip-indicating auxiliary contact → 3/16
 3 Shunt release, undervoltage release → 3/16
 Phase failure sensitivity to IEC/EN 60947-4-1, VDE 0660 part 102.
 Overload trigger: tripping class 10 A
 Snap-on to IEC/EN 60715 top-hat rail with 7.5 or 15 mm height.

Information relevant for export to North America



1)

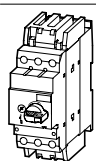
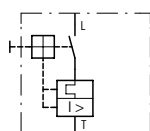
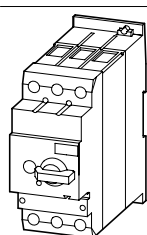
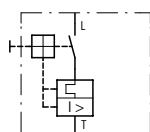
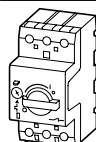
Product standards	IEC/EN 60947-4-1; UL 60947-4-1; CSA-C22.2 No. 60947-4-1-14; CE marking
UL File No.	E36332
UL CCN	NLRV
CSA File No.	165628
CSA Class No.	3211-05
NA Certification	UL Listed, CSA certified



Also suitable for motors with efficiency class IE3.
 IE3-ready devices are identified by the logo on their packaging.

Motor-protective circuit breaker PKZM0, PKZM4

3



max. Motor rating AC-3						Rated uninter- rupted current		Settings range		Type	Screw terminals	Screw terminals feed side, spring-loaded terminals second- ary side	Spring-loaded terminals
220 V	380 V	440 V	500 V	660 V	690 V	I_u A	I_r A		I_{rm} A		Article no.	Type Article no.	Type Article no.
230 V	400 V												
240 V	415 V												
P kW	P kW	P kW	P kW	P kW									
Motor-protective circuit breaker PKZM0 – type “1” and “2” coordination¹⁾													
IE3✓													
–	–	–	–	0.06	0.16	0.1	0.16	2.5			PKZM0-0.16 072730	PKZM0-0.16-SC 229828	PKZM0-0.16-C 229669
–	0.06	0.06	0.06	0.12	0.25	0.16	0.25	3.9			PKZM0-0.25 072731	PKZM0-0.25-SC 229829	PKZM0-0.25-C 229670
0.06	0.09	0.12	0.12	0.18	0.4	0.25	0.4	6.2			PKZM0-0.4 072732	PKZM0-0.4-SC 229830	PKZM0-0.4-C 229671
0.09	0.12	0.18	0.25	0.25	0.63	0.4	0.63	9.8			PKZM0-0.63 072733	PKZM0-0.63-SC 229831	PKZM0-0.63-C 229672
0.12	0.25	0.25	0.37	0.55	1	0.63	1	15.5			PKZM0-1 072734	PKZM0-1-SC 229832	PKZM0-1-C 229673
0.25	0.55	0.55	0.75	1.1	1.6	1	1.6	24.8			PKZM0-1.6 072735	PKZM0-1.6-SC 229833	PKZM0-1.6-C 229674
0.37	0.75	1.1	1.1	1.5	2.5	1.6	2.5	38.8			PKZM0-2.5 072736	PKZM0-2.5-SC 229834	PKZM0-2.5-C 229675
0.75	1.5	1.5	2.2	3	4	2.5	4	62			PKZM0-4 072737	PKZM0-4-SC 229835	PKZM0-4-C 229676
1.1	2.2	3	3	4	6.3	4	6.3	97.7			PKZM0-6.3 072738	PKZM0-6.3-SC 229836	PKZM0-6.3-C 229677
2.2	4	4	4	7.5	10	6.3	10	155			PKZM0-10 072739	PKZM0-10-SC 229837	PKZM0-10-C 229678
3	5.5	5.5	5.5	11	12	8	12	186			PKZM0-12 278486	PKZM0-12-SC 278487	PKZM0-12-C 278488
4	7.5	9	9	12.5	16	10	16	248			PKZM0-16 046938	PKZM0-16-SC 229838	PKZM0-16-C 229679
5.5	9	11	12.5	15	20	16	20	310			PKZM0-20 046988		
5.5	12.5	12.5	15	22	25	20	25	388			PKZM0-25 046989		
7.5	15	15	22	30	32	25	32	496			PKZM0-32 278489		
Motor-protective circuit breaker PKZM4 – type “1” and “2” coordination¹⁾													
IE3✓													
4	7.5	9	9	12.5	16	10	16	248			PKZM4-16 222350		
5.5	12.5	12.5	15	22	25	16	25	388			PKZM4-25 222352		
7.5	15	17.5	22	22	32	24	32	496			PKZM4-32 222353		
11	20	22	24	30	40	32	40	620			PKZM4-40 222354		
14	25	30	30	45	50	40	50	775			PKZM4-50 222355		
17	30	37	37	55	58	50	58	899			PKZM4-58 222394		
18.5	34	37	45	55	65	55	65	1008			PKZM4-63 222413		
Circuit breaker²⁾													
For protection of cables and conductors													
–	–	–	–	–	16	10	16	248			PKZM4-16-CB 132591		
–	–	–	–	–	25	16	25	388			PKZM4-25-CB 132592		
–	–	–	–	–	32	24	32	496			PKZM4-32-CB 132593		

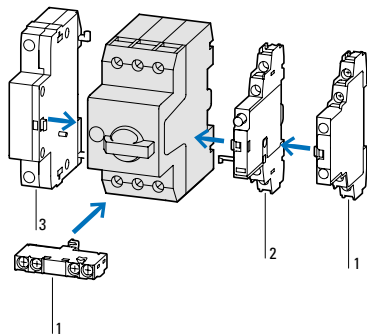
Std. pack

Notes

Information relevant for export to North America



1 pc.



Accessories

- 1 Standard auxiliary contact → 3/14
 - 2 Trip-indicating auxiliary contact → 3/16
 - 3 Shunt release, undervoltage release → 3/40
- Phase failure sensitivity to IEC/EN 60947-4-1, VDE 0660 part 102.
 Overload trigger: tripping class 10 A
 Snap-on to IEC/EN 60715 top-hat rail with 7.5 or 15 mm height.
- Observe the PTB 10, ATEX 3013 → 3/29
 Ex II(2) GD
- manual MN03402003Z-DE/EN.

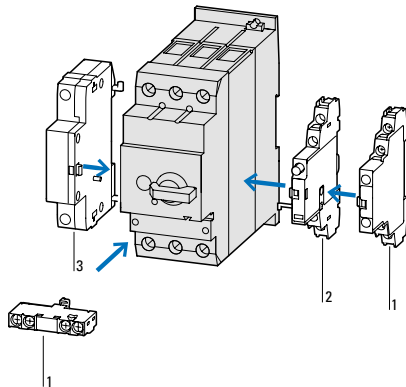
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Product standards IEC/EN 60947-4-1; UL 60947-4-1; CSA-C22.2 No. 60947-4-1-14; CE marking
 UL File No. E36332
 UL CCN NLRV
 CSA File No. 165628
 CSA Class No. 3211-05
 NA Certification UL Listed, CSA certified
 Suitable for Branch circuit: Manual type E if used with terminal, or suitable for group installations
 See also → page 3/53



Also suitable for motors with efficiency class IE3.
 IE3-ready devices are identified by the logo on their packaging.

1 pc.



Accessories

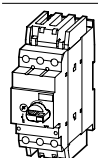
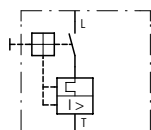
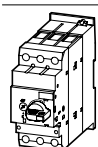
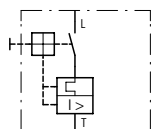
- 1 Standard auxiliary contact → 3/14
 - 2 Trip-indicating auxiliary contact → 3/16
 - 3 shunt releases, undervoltage releases → 3/40
- Phase failure sensitivity to IEC/EN 60947-4-1, VDE 0660 part 102.
 Overload trigger: tripping class 10 A
 Snap-on to IEC/EN 60715 top-hat rail with 7.5 or 15 mm height.
- Observe the PTB 10, ATEX 3012 → 3/29
 Ex II(2) G
- manual MN03402002Z-DE/EN.

1 pc.

Not usable as a main switch
 Phase failure sensitivity to IEC/EN 60947-4-1, VDE 0660 part 102
 Switching capacity SCCR
 65 kA (480 Y/277 V)
 22 kA (600 Y/347 V)

2)

Product standards UL 489; CSA-C22.2 no. 5-09; IEC60947-4-1; CE marking
 UL File No. E31593
 UL CCN DIVQ
 CSA File No. 165628
 CSA Class No. 1432-01
 NA Certification UL Listed, CSA certified
 Specially designed for NA Yes
 Suitable for Feeder and branch circuit as BCPD



Screw terminals

max. Motor rating AC-3					Rated uninterrupted current	Settings range		Type Article no.	
220 V 230 V 240 V	380 V 400 V 415 V	440 V	500 V	660 V 690 V		Overload trip	Short-circuit releases		
P kW	P kW	P kW	P kW	P kW	I_u A	I_r A	I_{rm} A		
									
Motor-protective circuit breaker – type “1” and “2” coordination ¹⁾									
IE3✔	–	–	–	–	0.06	0.16	0.1 - 0.16	2.5	PKZM0-0.16/AK 265330
	–	0.06	0.06	0.06	0.12	0.25	0.16 - 0.25	3.9	PKZM0-0.25/AK 265332
	0.06	0.09	0.12	0.12	0.18	0.4	0.25 - 0.4	6.2	PKZM0-0.4/AK 265333
	0.09	0.12	0.18	0.25	0.25	0.63	0.4 - 0.63	9.8	PKZM0-0.63/AK 265334
	0.12	0.25	0.25	0.37	0.55	1	0.63 - 1	15.5	PKZM0-1/AK 265335
	0.25	0.55	0.55	0.75	1.1	1.6	1 - 1.6	24.8	PKZM0-1.6/AK 265336
	0.37	0.75	1.1	1.1	1.5	2.5	1.6 - 2.5	38.8	PKZM0-2.5/AK 265337
	0.75	1.5	1.5	2.2	3	4	2.5 - 4	62	PKZM0-4/AK 265338
	1.1	2.2	3	3	4	6.3	4 - 6.3	97.7	PKZM0-6.3/AK 265339
	2.2	4	4	4	7.5	10	6.3 - 10	155	PKZM0-10/AK 265340
	3	5.5	5.5	5.5	11	12	8 - 12	186	PKZM0-12/AK 156397
	4	7.5	9	9	12.5	16	10 - 16	248	PKZM0-16/AK 265342
	5.5	9	11	12.5	15	20	16 - 20	310	PKZM0-20/AK 265343
	5.5	12.5	12.5	15	22	25	20 - 25	388	PKZM0-25/AK 265344
7.5	15	15	22	30	32	25 - 32	496	PKZM0-32/AK 156398	
Motor-protective circuit breaker – type “1” and “2” coordination ¹⁾									
IE3✔	4	7.5	9	9	12.5	16	10 - 16	248	PKZM4-16/AK 158250
	5.5	12.5	12.5	15	22	25	16 - 25	388	PKZM4-25/AK 158251
	7.5	15	17.5	22	22	32	24 - 32	496	PKZM4-32/AK 158252
	11	20	22	24	30	40	32 - 40	620	PKZM4-40/AK 158253
	14	25	30	30	45	50	40 - 50	775	PKZM4-50/AK 158254
	17	30	37	37	55	58	50 - 58	899	PKZM4-58/AK 158255
	18.5	34	37	45	55	65	55 - 65	1008	PKZM4-63/AK 158256
Circuit breaker ²⁾									
For protection of cables and conductors									
–	–	–	–	–	16	10 - 16	248	PKZM4-16-CB/AK 150622	
–	–	–	–	–	25	16 - 25	388	PKZM4-25-CB/AK 150623	
–	–	–	–	–	32	24 - 32	496	PKZM4-32-CB/AK 150624	

Motor-protective circuit breakers PKZM0, PKZM4 – rotary operation, lockable

Std. pack

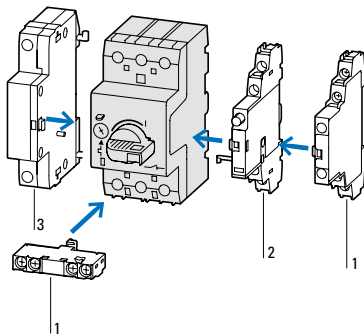
Notes

Information relevant for export to North America



3

1 pc.

**Accessories**

- 1 Standard auxiliary contact → 3/14
 2 Trip-indicating auxiliary contact → 3/16
 3 Shunt release, undervoltage release → 3/40

Phase failure sensitivity to IEC/EN 60947-4-1, VDE 0660 part 102.

Overload trigger: tripping class 10 A

Snap-on to IEC/EN 60715 top-hat rail with 7.5 or 15 mm height.

⚠ Observe the PTB 10, ATEX 3013 → 3/29
 Ex II(2) GD

manual MN03402003Z-DE/EN.

Page

1)

Product standards

UL File No.
 UL CCN
 CSA File No.
 CSA Class No.
 NA Certification
 Suitable for

See also

IEC/EN 60947-4-1; UL 60947-4-1; CSA-C22.2
 No. 60947-4-1-14; CE marking

E36332

NLRV

165628

3211-05

UL Listed, CSA certified

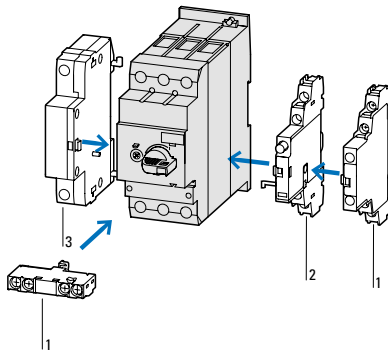
Branch circuit: Manual type E if used with terminal, or suitable for group installations

→ page 3/53



Also suitable for motors with efficiency class IE3.
 IE3-ready devices are identified by the logo on their packaging.

1 pc.

**Accessories**

- 1 Standard auxiliary contact → 3/14
 2 Trip-indicating auxiliary contact → 3/16
 3 shunt releases, undervoltage releases → 3/40

Phase failure sensitivity to IEC/EN 60947-4-1, VDE 0660 part 102.

Overload trigger: tripping class 10 A

Snap-on to IEC/EN 60715 top-hat rail with 7.5 or 15 mm height.

⚠ Observe the PTB 10, ATEX 3012 → 3/29
 Ex II(2) G

manual MN03402002Z-DE/EN.

Page

1 pc.



Not usable as a main switch

Phase failure sensitivity to IEC/EN 60947-4-1, VDE 0660 part 102

Switching capacity SCCR

65 kA (480 Y/277 V)

22 kA (600 Y/347 V)

2)

Product standards

UL File No.
 UL CCN
 CSA File No.
 CSA Class No.
 NA Certification
 Specially designed for NA
 Suitable for

UL 489; CSA-C22.2 no. 5-09; IEC60947-4-1; CE marking
 E31593

DIVQ

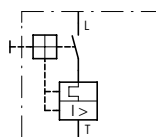
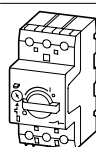
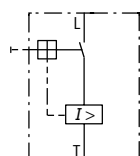
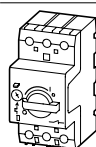
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1432-01

UL Listed, CSA certified

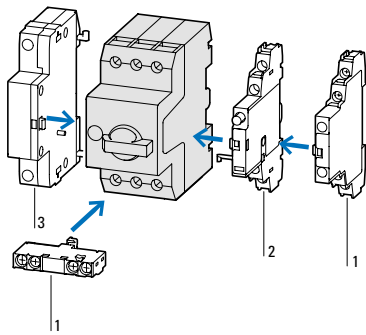
Yes

Feeder and branch circuit as BCPD



max. Motor rating						Rated uninterrupted current	Settings range		Screw terminals	Type Article no.	Std. pack
AC-3							Overload trip	Short-circuit releases			
220 V	380 V	440 V	500 V	660 V							
230 V	400 V			690 V							
240 V	415 V										
P	P	P	P	P	I _u		I _r		I _{rm}		
kW	kW	kW	kW	kW	A		A		A		
Motor-protective circuit breaker for starter combinations											
Short-circuit protective breaker without overload function											
–	–	–	–	0.06	0.16		–		2.5	PKM0-0.16 072720	1 pc.
–	0.06	0.06	0.06	0.12	0.25		–		3.9	PKM0-0.25 072721	
0.06	0.09	0.12	0.12	0.18	0.4		–		6.2	PKM0-0.4 072722	
0.09	0.12	0.18	0.25	0.25	0.63		–		9.8	PKM0-0.63 072723	
0.12	0.25	0.25	0.38	0.55	1		–		15.5	PKM0-1 072724	
0.25	0.37	0.55	0.75	1.1	1.6		–		24.8	PKM0-1.6 072725	
0.37	0.75	1.1	1.1	1.5	2.5		–		38.8	PKM0-2.5 072726	
0.75	1.5	1.5	2.2	3	4		–		62	PKM0-4 072727	
1.1	2.2	3	3	4	6.3		–		97.7	PKM0-6.3 072728	
2.2	4	4	4	7.5	10		–		155	PKM0-10 072729	
3	5.5	5.5	5.5	11	12		–		186	PKM0-12 278490	
4	7.5	9	9	12.5	16		–		248	PKM0-16 044502	
5.5	9	11	12.5	15	20		–		310	PKM0-20 203594	
5.5	12.5	12.5	15	22	25		–		388	PKM0-25 044503	
7.5	15	15	22	30	32		–		496	PKM0-32 278491	
transformer-protective circuit breaker											
–	–	–	–	–	0.16		0.1 - 0.16		2.4	PKZM0-0.16-T 088907	1 pc.
–	–	–	–	–	0.25		0.16 - 0.25		4.25	PKZM0-0.25-T 088908	
–	–	–	–	–	0.4		0.25 - 0.4		6.8	PKZM0-0.4-T 088909	
–	–	–	–	–	0.63		0.4 - 0.63		12	PKZM0-0.63-T 088910	
–	–	–	–	–	1		0.63 - 1		20	PKZM0-1-T 088911	
–	–	–	–	–	1.6		1 - 1.6		32	PKZM0-1.6-T 088912	
–	–	–	–	–	2.5		1.6 - 2.5		50	PKZM0-2.5-T 088913	
–	–	–	–	–	4		2.5 - 4		84	PKZM0-4-T 088914	
–	–	–	–	–	6.3		4 - 6.3		141	PKZM0-6.3-T 088915	
–	–	–	–	–	10		6.3 - 10		224	PKZM0-10-T 088916	
–	–	–	–	–	12		8 - 12		224	PKZM0-12-T 278492	
–	–	–	–	–	16		10 - 16		280	PKZM0-16-T 088917	
–	–	–	–	–	20		16 - 20		350	PKZM0-20-T 088918	
–	–	–	–	–	25		20 - 25		437	PKZM0-25-T 278493	

Notes



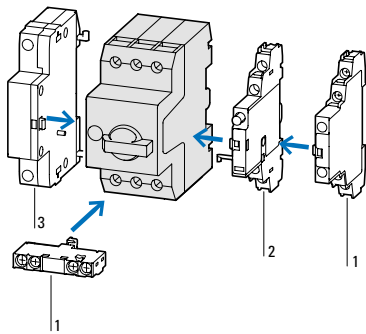
When using the PKM0 as short-circuit protection for motors with heavy starting duty, the rated operational current I_e when designing the switchgear must be over-dimensioned with the following factors:

CLASS 5:	1.0
CLASS 10:	1.0
CLASS 15:	1.22
CLASS 20:	1.41
CLASS 25:	1.58
CLASS 30:	1.73
CLASS 35:	1.89
CLASS 40:	2.0

Accessories

- | | |
|--|--------|
| 1 Standard auxiliary contact | → 3/14 |
| 2 Trip-indicating auxiliary contact | → 3/16 |
| 3 Shunt release, undervoltage release | → 3/40 |
| Snap-on to IEC/EN 60715 top-hat rail with 7.5 or 15 mm height | |
| Allocation of short-circuit protective beaker and contactor in chapter 4 | → 4/2 |

An appropriate overload relay must be fitted to protect motors against overload.



Accessories

- | | |
|---------------------------------------|--------|
| 1 Standard auxiliary contact | → 3/14 |
| 2 Trip-indicating auxiliary contact | → 3/16 |
| 3 Shunt release, undervoltage release | → 3/40 |

For the protection of transformers with a high inrush current
 Snap-on to IEC/EN 60715 top-hat rail with 7.5 or 15 mm height
 Phase failure sensitivity to IEC/EN 60947-4-1, VDE 0660 part 102.

Motor Power P kW	Rated motor current AC-3					Overload release setting range I_r A 	Basic device with standard knob Basic device with AK lockable rotary handle Type Article no.	Std. pack	Trip block motor protection Standard Type Article no.
	220 V 230 V 240 V	380 V 400 V 415 V	440 V	500 V	660 V 690 V				
	I A	I A	I A	I A	I A				
Motor-protective circuit breaker PKE, type "1" and "2" coordination									
0.06	0.37	—	—	—	—	0.3 - 1.2	PKE12²⁾ 121721	1 pc.  	PKE-XTU-1,2¹⁾ 121723
0.09	0.54	0.31	—	—	—		PKE12/AK²⁾ 158241		
0.12	0.72	0.41	0.37	0.33	—				
0.18	1.04	0.6	0.54	0.48	0.35				
0.25	—	0.8	0.76	0.7	0.5				
0.37	—	1.1	1.02	0.9	0.7				
0.55	—	—	—	—	0.9				
0.75	—	—	—	—	1.1				
0.18	1.04	—	—	—	—	1 - 4	PKE12²⁾ 121721		PKE-XTU-4¹⁾ 121724
0.25	1.4	—	—	—	—		PKE12/AK²⁾ 158241		
0.37	2	1.1	1.02	—	—				
0.55	2.7	1.5	1.39	1.2	—				
0.75	3.2	1.9	1.68	1.5	1.1				
1.1	—	2.6	2.41	2.1	1.5				
1.5	—	3.6	3.28	2.9	2.1				
2.2	—	—	—	4	2.9				
3	—	—	—	—	3.8				
0.75	3.2	—	—	—	—	3 - 12	PKE12²⁾ 121721		PKE-XTU-12¹⁾ 121725
1.1	4.6	—	—	—	—		PKE12/AK²⁾ 158241		
1.5	6.3	3.6	3.3	—	—				
2.2	8.7	5	4.6	4	—				
3	11.5	6.6	6	5.3	3.8				
4	—	8.5	7.7	6.8	4.9				
5.5	—	11.3	10.2	9	6.5				
7.5	—	—	—	—	8.8				
2.2	8.7	—	—	—	—	8 - 32	PKE32²⁾ 121722		PKE-XTU-32¹⁾ 121726
3	11.5	—	—	—	—		PKE32/AK²⁾ 158245		
4	14.8	8.5	—	—	—				
5.5	19.6	11.3	10.2	9	—				
7.5	26.4	15.2	13.8	12.1	8.8				
11	—	21.7	19.8	17.4	12.6				
15	—	29.3	26.6	23.4	17				
18.5	—	—	—	28.9	20.9				
22	—	—	—	—	23.8				
30	—	—	—	—	32				

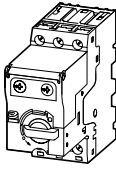
Rated uninterrupted current	Settings range		Basic device with standard knob		Trip block system protection Standard
	Overload trigger	short-circuit release	Type Article no.	Std. pack	Type Article no.
I_u A	I_r A 	I_{rm} A 			
System protective circuit breakers PKE					
36	15 - 36	75 - 288	PKE32 ²⁾ 121722	1 pc.  	PKE-XTUCP-36 153164

Information relevant for export to North America

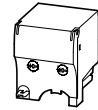
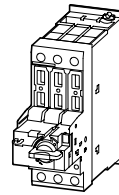
  → page 3/12

Motor-protective circuit breaker PKE, system circuit breaker PKE

3

For use with			For use with Connection to SmartWire-DT With PKE-SWD-32 or PKE-SWD-SP → page 3/24		Complete device with standard handle Complete device with AK lockable rotary handle	Std. pack
	Std. pack	Type Article no.		Std. pack	Type Article no.	Std. pack
Basic device PKE12	1 pc.  	PKE-XTUA-1.2¹⁾ 121727	Basic device PKE12	1 pc.  	PKE12/XTU-1.2²⁾ 121731 PKE12/AK/XTU-1.2²⁾ 158242	1 pc.  
Basic device PKE12 Basic device PKE32		PKE-XTUA-4¹⁾ 121728	Basic device PKE12 Basic device PKE32		PKE12/XTU-4²⁾ 121732 PKE12/AK/XTU-4²⁾ 158244	
Basic device PKE12 Basic device PKE32		PKE-XTUA-12¹⁾ 121729	Basic device PKE12 Basic device PKE32		PKE12/XTU-12²⁾ 121733 PKE12/AK/XTU-12²⁾ 158243	
Basic device PKE32		PKE-XTUA-32¹⁾ 121730	Basic device PKE32		PKE32/XTU-32²⁾ 121734 PKE32/AK/XTU-32²⁾ 158246	
For use with	Std. pack	Trip block system protection Extended Type Article no.	For use with Connection to SmartWire-DT with PKE-SWD-CP	Std. pack	Complete device with standard handle Type Article no.	Std. pack
Basic device PKE32	1 pc.	PKE-XTUACP-36 168795	Basic device PKE32	1 pc.	PKE32/XTUCP-36 168972	1 pc.

 in conjunction with SmartWire-DT module → page 3/24



Motor Power P kW	Rated motor current AC-3					Overload release setting range I_r 	Basic device with standard knob Basic device with AK lockable rotary handle Type Article no.	Std. pack	Trip block motor protection Standard Type Article no.	
	220 V 230 V 240 V	380 V 400 V 415 V	440 V	500 V	660 V 690 V					
	I A	I A	I A	I A	I A					
Motor-protective circuit breaker PKE, type "1" and "2" coordination										
2.2	8.7	—	—	—	—	8 - 32	PKE65²⁾ 138258	1 pc. 	PKE-XTUW-32¹⁾ 138261	
3	11.5	—	—	—	—		PKE65/AK²⁾ 158247	1 pc. 		
4	14.8	8.5	—	—	—					
5.5	19.6	11.3	10.2	9	—					
7.5	26.4	15.2	13.8	12.1	8.8					
11	—	21.7	19.8	17.4	12.6					
15	—	29.3	26.6	23.4	17					
18.5	—	—	—	28.9	20.9					
22	—	—	—	—	23.8					
30	—	—	—	—	32	16 - 65	PKE65²⁾ 138258	1 pc. 	PKE-XTUW-65¹⁾ 138259	
5.5	19.6	—	—	—	—		PKE65/AK²⁾ 158247	1 pc. 		
7.5	26.4	—	—	—	—					
11	38	21.7	19.7	17.4	—					
15	51	29.3	26.6	23.4	17					
18.5	63	36	32.9	28.9	20.9					
22	—	41	37.4	33	23.8					
30	—	55	50.3	44	32					
37	—	—	61.4	54	39					
45	—	—	—	65	47					
55	—	—	—	—	58					

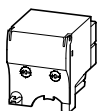
Rated uninterrupted current	Settings range		Basic device with standard handle		Trip block system protection Standard
	Overload trigger	short-circuit release	Type Article no.	Std. pack	Type Article no.
I_u A	I_r A	I_{rm} A			
System protective circuit breakers PKE					
36	15 - 36	75 - 288	PKE65 ²⁾ 138258	1 pc. 	PKE-XTUWCP-36 168796
65	30 - 65	150 - 520	PKE65 ²⁾ 138258	1 pc. 	PKE-XTUCP-65 168798

Information relevant for export to North America

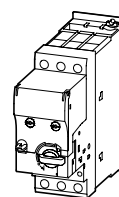
¹⁾	
Product standards	UL508; CSA-C22.2 No.14; IEC60947-4-1; CE marking
UL File No.	E36332
UL CCN	NLRV
CSA File No.	165628
CSA Class No.	3211-05
NA Certification	UL listed, CSA certified

Motor-protective circuit breaker PKE, system circuit breaker PKE

3



For use with

Trip block motor protection
ExtendedFor use with
Connection to SmartWire-DT
with PKE-SWD-SPComplete device with standard
handle
Complete device with AK
lockable rotary handle

Std. pack

Type
Article no.

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Std. pack

Type
Article no.

Std. pack

Basic device PKE65

1 pc.

**PKE-XTUWA-32¹⁾**
138262

Basic device PKE65

1 pc.

**PKE65/XTUW-32²⁾**
138517

1 pc.



Basic device PKE65

PKE65/AK/XTUW-32²⁾
158249

1 pc.

**PKE-XTUA-65¹⁾**
138260

Basic device PKE65

1 pc.

**PKE65/XTU-65²⁾**
138516

1 pc.

**PKE65/AK/XTU-65²⁾**
158248

For use with

Std. pack

Trip block system protection
Extended**Type**
Article no.For use with
Connection to SmartWire-DT
with PKE-SWD-CP

Std. pack

Complete device with standard
handle**Type**
Article no.

Std. pack

Basic device PKE65

1 pc.

PKE-XTUWACP-36
168797

Basic device PKE65

1 pc.

PKE65/XTUWCP-36
168973

1 pc.

Basic device PKE65

PKE-XTUACP-65
168799

Basic device PKE65

PKE65/XTUCP-65
168974

²⁾
Product standards
UL File No.
UL CCN
CSA File No.
CSA Class No.
NA Certification

IEC/EN 60947-4-1; UL 60947-4-1; CSA-C22.2 No. 60947-4-1-14; CE marking
E36332
NLRV
165628
3211-05
UL listed, CSA certified

in conjunction with SmartWire-DT module → page 3/24

NHI...-PKZ0 standard auxiliary contact

3

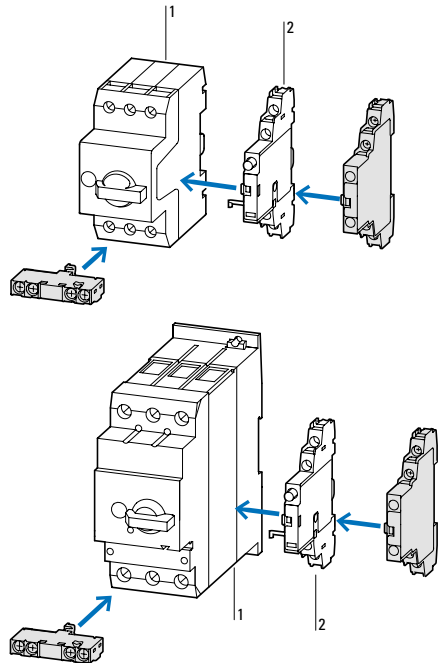
Terminal type	Contact configuration	Contact diagram	Circuit symbol	For use with	Type Article no.	Std. pack
N/O = normally open N/C = normally closed contact						
Standard auxiliary contact						
for motor-protective circuit breakers						
Screw terminals	1 N/O	1 N/C			PKZM01 PKZM0 PKZM4 PKZM0-T PKM0 PKE	NHI11-PKZ0 072896 1 pc.
Spring-clamp terminals	1 N/O	1 N/C				NHI11-PKZ0-C 229680
Screw terminals	1 N/O	2 N/C				NHI12-PKZ0 072895
Screw terminals	2 N/O	1 N/C				NHI21-PKZ0 072894
Screw terminals	1 N/O	1 N/C				NHI-E-11-PKZ0 082882
Screw terminals	1 N/O	—				NHI-E-10-PKZ0 082884
Spring-loaded terminals	1 N/O	—				NHI-E-10-PKZ0-C 229681
Spring-loaded terminals	—	1 N/C				NHI-E-01-PKZ0-C 229682
Standard auxiliary contact with cable						
—	1 N/O	—			DILM	NHI-E-10L-PKZ0 107040 5 pcs.

Notes

Information relevant for export to North America



Can be fitted to the right of:
Motor-protective circuit breaker, transformer-protective circuit breaker,
Motor-protective circuit breaker for start combinations
Apart from MSC-R...
Can be combined with:
Trip-indicating auxiliary contact AGM, HI-E...



Product standards	UL 508; CSA-C22.2 No. 14; IEC60947-4-1; CE marking
UL File No.	E36332
UL CCN	NLRV
CSA File No.	165628
CSA Class No.	3211-05
NA Certification	UL Listed, CSA certified

Can be fitted to the motor-protective circuit breaker, transformer-protective circuit breaker, motor-protective circuit breaker for starter combinations from series no. 01. 45 mm (PKZM0 and PKZM01) or 55 mm (PKZM4) widths of the motor-protective circuit breaker remain unchanged.
NHI-E...-PKZ0-C not usable for MSC...-type motor-starter combinations.

Accessories

- 1 Motor-protective circuit breaker
- 2 Trip-indicating auxiliary contact
- Further accessories

Page

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- 3/16
- 3/28

with connection cable AWG18 blue,
for connection to SmartWire module
for DILM.