




Setting range Overload release $I_r$ A 	Base unit		Control option Standard		Control option Advanced		Motor-protective circuit-breakers Standard Complete devices	
	Part no.	Article no.:	Part no.	Article no.:	Part no.	Article no.:	Part no.	Article no.:

Motor-protective circuit-breaker PKE, Coordination type "1" and "2"

0.3...1.2 A	PKE12	121721	PKE-XTU-1,2	121723	PKE-XTUA-1,2	121727	PKE12/XTU-1,2	121731
1...4 A	PKE12	121721	PKE-XTU-4	121724	PKE-XTUA-4	121728	PKE12/XTU-4	121732
3...12 A	PKE12	121721	PKE-XTU-12	121725	PKE-XTUA-12	121729	PKE12/XTU-12	121733
8...32 A	PKE32	121722	PKE-XTU-32	121726	PKE-XTUA-32	121730	PKE32/XTU-32	121734


Motor-protective circuit-breaker PKE with lockable handle

0.3...1.2 A	PKE12/AK	158241	PKE-XTU-1,2	121723	PKE-XTUA-1,2	121727	PKE12/AK/XTU-1,2	158242
1...4 A	PKE12/AK	158241	PKE-XTU-4	121724	PKE-XTUA-4	121728	PKE12/AK/XTU-4	158244
3...12 A	PKE12/AK	158241	PKE-XTU-12	121725	PKE-XTUA-12	121729	PKE12/AK/XTU-12	158243
8...32 A	PKE32/AK	158245	PKE-XTU-32	121726	PKE-XTUA-32	121730	PKE32/AK/XTU-32	158246

Circuit-breaker PKE for cable and line protection

15...36 A	PKE32	121722	PKE-XTUCP-36	153164	PKE-XTUACP-36	168795	PKE32/XTUCP-36	168972
-----------	-------	--------	--------------	--------	---------------	--------	----------------	--------



Setting range Overload release $I_r$ A 	Base unit		Control option Standard		Control option Advanced		Motor-protective circuit-breakers Standard Complete devices	
	Part no.	Article no.:	Part no.	Article no.:	Part no.	Article no.:	Part no.	Article no.:

Motor-protective circuit-breaker PKE, Coordination type "1" and "2"

8...32 A	PKE65	138258	PKE-XTUW-32	138261	PKE-XTUWA-32	138262	PKE32/XTUW-32	138517
16...65 A	PKE65	138258	PKE-XTU-65	138259	PKE-XTUA-65	138260	PKE65/XTU-65	138516

Motor-protective circuit-breaker PKE with lockable handle

8...32 A	PKE65/AK	158247	PKE-XTUW-32	138261	PKE-XTUWA-32	138262	PKE32/AK/XTUW-32	158249
16...65 A	PKE65/AK	158247	PKE-XTU-65	138259	PKE-XTUA-65	138260	PKE65/AK/XTU-65	158248

Circuit-breaker PKE for cable and line protection

15...36 A	PKE65	138258	PKE-XTUWCP-36	168796	PKE-XTUWACP-36	168797	PKE65/XTUWCP-36	168973
30...65 A	PKE65	138258	PKE-XTUCP-65	168798	PKE-XTUACP-65	168799	PKE65/XTUCP-65	168974

SmartWire-DT communication circuit for PKE12/32/65

	Function element for PKE for motor protection	Part no.	Article no.:
		PKE-SWD-SP	150614
		PKE-SWD-CP	172735

		Motor-protective circuit-breakers PKE 12 and PKE 32	Motor-protective circuit-breaker PKE65
<b>General</b>			
Standards and regulations		IEC/EN 60947-4-1, VDE0660 UL 508, CSA C22.2 No.14	IEC/EN 60947-4-1, VDE0660 UL 508, CSA C22.2 No.14
Climatic proofing		Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30	Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30
Ambient temperature	Storage	-25...80°C	-25...80°C
	Open	-25...55°C	-25...55°C
	Enclosed	-25...40°C	-25...40°C
Direction of incoming supply		any	any
Degree of protection	Device	IP20	IP20
	Terminals	IP00	IP00
Touch protection to EN50274		Finger- and back-of-hand-proof	Finger- and back-of-hand-proof
Mechanical shock resistance half-sinusoidal shock 10 ms to IEC 60068-2-27		25g	10 g on top-hat rail 15 g on mounting plate
Altitude		max. 2000m	max. 2000m
Screw terminal conductor cross-section	Solid	1 x (1–6) mm <sup>2</sup> 1 x (1–6) mm <sup>2</sup>	1 x (0.75–16) mm <sup>2</sup> 1 x (0.75–16) mm <sup>2</sup>
	Stranded with ferrule to DIN 46228	1 x (1–6) mm <sup>2</sup> 1 x (1–6) mm <sup>2</sup>	1 x (0.75–35) mm <sup>2</sup> 1 x (0.75–35) mm <sup>2</sup>
	Solid or stranded	18–10 AWG	14–2 AWG
Main conductor		1.7 Nm	3.3 Nm
Auxiliary conductor		1 Nm	1 Nm
<b>Main circuit</b>			
Rated impulse withstand voltage	$U_{imp}$	6000 V AC	6000 V AC
Overvoltage category / pollution degree		III/3	III/3
Rated operational voltage	$U_e$	690V	690V
Rated uninterrupted current = rated output current	$I_u = I_e$	32A or setting value of the overcurrent release	65A or setting value of the overcurrent release
Rated frequency		40–60 Hz	40–60 Hz
Current heating losses (3-pole at operating temperature)		6W	11W
Lifespan, mechanical	Operations	0.05 x 10 <sup>6</sup>	0.05 x 10 <sup>6</sup>
Lifespan, electrical (AC-3 at 400 V)	Operations	0.05 x 10 <sup>6</sup>	0.05 x 10 <sup>6</sup>
Maximum operating frequency	Operations/h	60 ops./h	60 ops./h
Motor switching capacity AC	AC-3 up to 690 V	32A	65A
<b>Trip release</b>			
Temperature compensation to IEC/EN 60947, VDE 0660		-25...55 °C	-25...55 °C
Operating range		-25...55 °C	-25...55 °C
Temperature compensation residual error for T > 40°C		-	-
Overload release setting range		0.25–1	0.25–1
Short-circuit release tolerance		+ 20%	+ 20%
Single-phasing sensitivity		IEC/EN 60947-4-1, VDE 0660 part 102	IEC/EN 60947-4-1, VDE 0660 part 102