

Trip block Advanced 1-4A

Part no. PKE-XTUA-4
Article no. 121728

Delivery programme

Product range			Accessories
Accessories			Trip blocks
Basic function			Motor protection Motor protection for heavy starting duty
Setting range			
Overload releases			
Setting range of overload releases	I_r	A	1 - 4
Overload release, min.	I_r	A	1
Overload release, max.	I_r	A	4
Function			With overload release
Rated uninterrupted current	I_u	A	4
Motor rating			
AC-3			
220 V 230 V	P	kW	0.75
380 V 400 V	P	kW	1.5
440 V	P	kW	1.5
500 V	P	kW	2.2
660 V 690 V	P	kW	3
For use with			PKE12 basic device PKE32 basic device

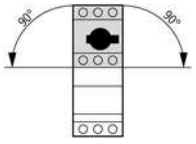
Motor output/rated motor current

Motor rating	Motor full-load current				
AC-3					
	220 V	380 V	440 V	500 V	660 V
	230 V	400 V			690 V
	240 V	415 V			
P	I	I	I	I	I
kW	A	A	A	A	A
0,18	1,04	-	-	-	-
0,25	1,4	-	-	-	-
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

Approvals

Product Standards	UL 508; CSA-C22.2 No. 14-10; IEC60947-4-1; CE marking
UL File No.	E36332
UL CCN	NLRV
CSA File No.	12528
CSA Class No.	3211-05
NA Certification	UL listed, CSA certified
Specially designed for NA	No

General

Standards			IEC/EN 60947, VDE 0660, UL 508, CSA C 22.2 No. 14
Ambient temperature		°C	
Storage	ϑ	°C	-40 - +80
Mounting position			
Direction of incoming supply			as required
Degree of protection			
Device			IP20

Terminations			IP00
Busbar tag shroud to EN 50274			finger- and back-of-hand-proof
Mechanical shock resistance half-sinusoidal shock 10 ms to IEC 60068-2-27		g	25
Altitude		m	Max. 2000

Main conducting paths

Rated impulse withstand voltage	U_{imp}	V AC	6000
Overvoltage category/pollution degree			III/3
Rated operational voltage	U_e	V AC	690
Rated uninterrupted current = rated operational current	$I_u = I_e$	A	4
Rated frequency	f	Hz	40 - 60
Maximum operating frequency		Ops./ h	
Max. operating frequency		Ops/ h	60
Motor switching capacity		kA_{rms}	
AC-3 (up to 690 V)		A	4

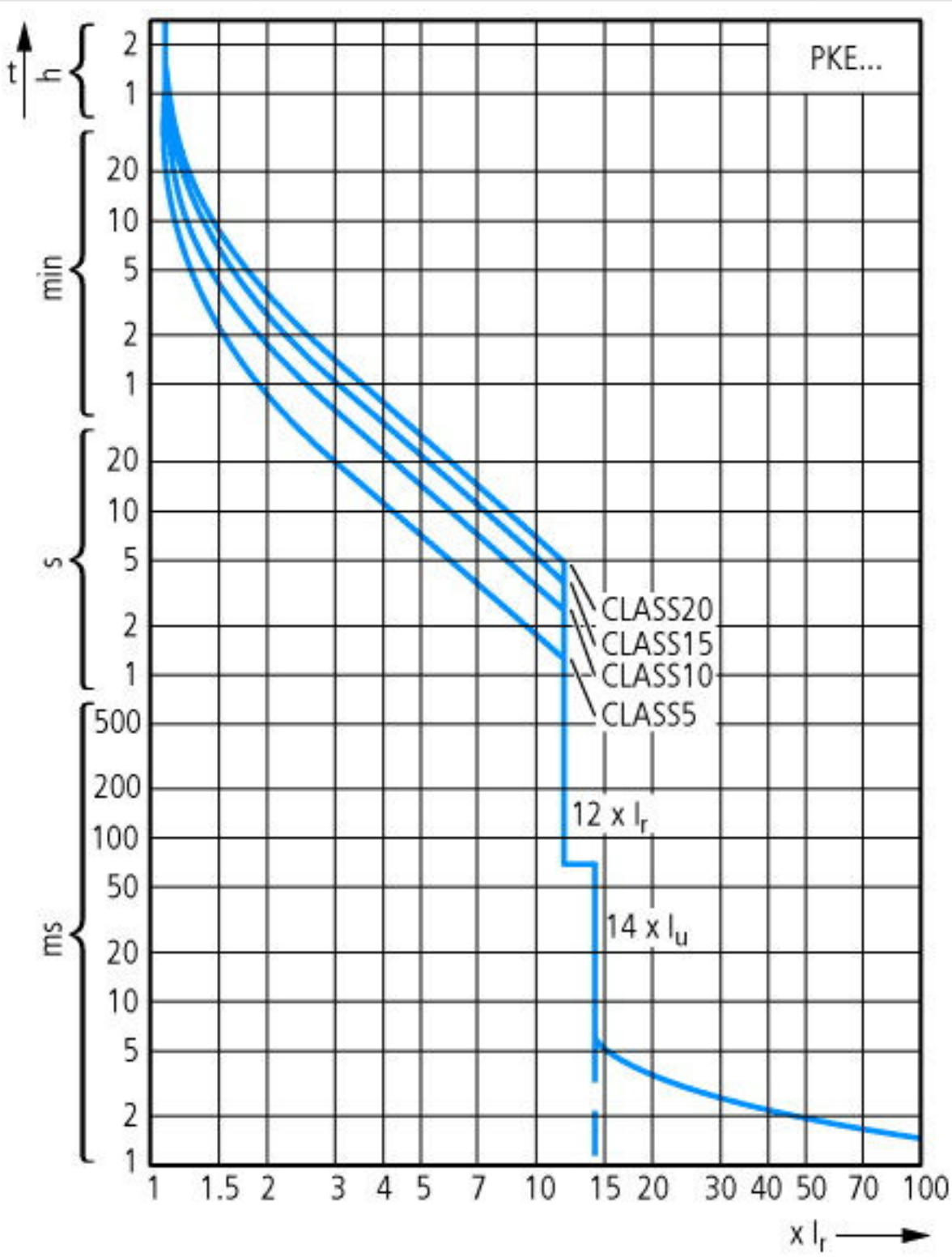
Trip blocks

Fixed short-circuit release			Trip block 12 x I_r delayed approx. 60 ms

Technical data ETIM 4.0

Final value of non-delayed short-circuit release setting range		A	48
Initial value of non-delayed short-circuit release setting range		A	1
Setting range of overload releases		A	4
Short-circuit release function			Delayed
Number of poles			3
Rated uninterrupted current Iu		A	4

Characteristics



Tripping characteristics

Additional product information (links)

IL03402023Z (AWA1210-2705) Trip blocks for electronic motor-protective circuit-breakers	
IL03402023Z (AWA1210-2705) Trip blocks for electronic motor-protective circuit-breakers	ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL03402023Z2011_08.pdf
MN03402004Z-DE/EN Motor-protective circuit-breaker PKE12, PKE32 und PKE65; Overload monitoring of Ex e motors	
MN03402004Z-DE/EN Motor-protective circuit-breaker PKE12, PKE32 und PKE65; Overload monitoring of Ex e motors - Deutsch / English	ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN03402004Z_DE_EN.pdf
Motor starters and "Special Purpose Ratings" for the North American market	http://www.moeller.net/binary/ver_techpapers/ver953en.pdf
Busbar Component Adapters for modern Industrial control panels	http://www.moeller.net/binary/ver_techpapers/ver960en.pdf

© 11/2012 by Eaton Industries GmbH