

Trip block Standard 0.3-1.2A

Part no. PKE-XTU-1,2
Article no. 121723

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	0.3 - 1.2
Overload release, min.	I_r	A	0.3
Overload release, max.	I_r	A	1.2
Function			With overload release
Rated uninterrupted current	I_u	A	1.2
Motor rating			
AC-3			
220 V 230 V	P	kW	0.18
380 V 400 V	P	kW	0.37
440 V	P	kW	0.37
500 V	P	kW	0.37
660 V 690 V	P	kW	0.75
For use with			PKE12 basic device

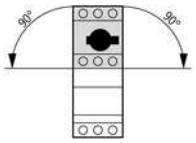
Motor output/rated motor current

Motor rating	Motor full-load current				
AC-3					
	220 V 230 V 240 V	380 V 400 V 415 V	440 V	500 V	660 V 690 V
P	I	I	I	I	I
kW	A	A	A	A	A
0,06	0,37	-	-	-	-
0,09	0,54	0,31	-	-	-
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

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
Climatic proofing			Damp heat, constant to IEC 60068-2-78 Damp heat, cyclic to IEC 60068-2-30
Ambient temperature		°C	
Storage	ϑ	°C	-40 - +80
Open		°C	-20 - +55
Enclosed		°C	-20 - +40
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	1.2
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	1.2

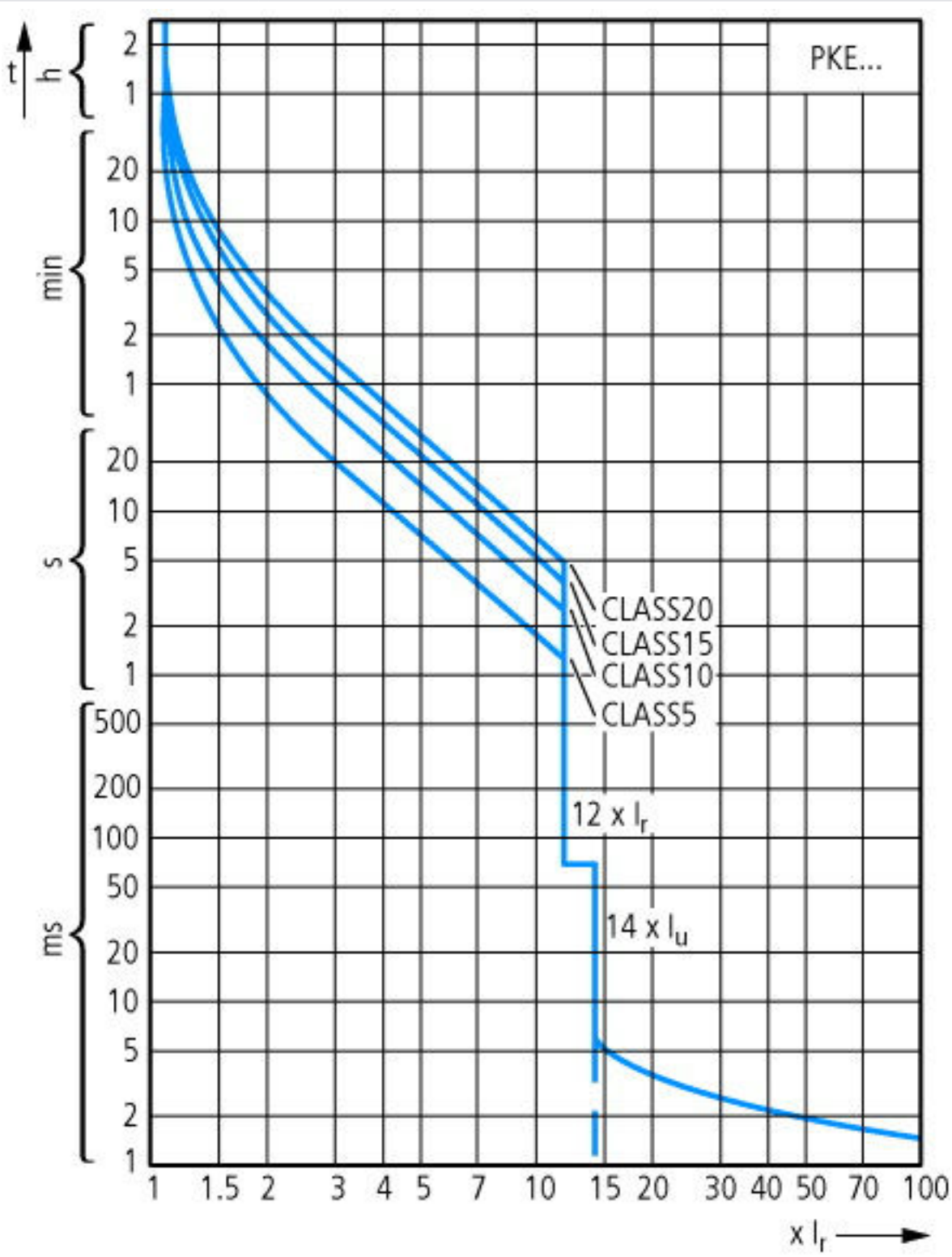
Trip blocks

Temperature compensation		°C	-5 - +40 (to IEC/EN 60947, VDE 0660) -25 - +55 (operating range)
Temperature compensation residual error for T > 40 °C			0.1%/K
Setting range of overload releases			0.25 - 1 x I_u
Fixed short-circuit release			Trip block 12 x I_r delayed approx. 60 ms
Short-circuit release tolerance			± 20%
Phase-failure sensitivity			yes

Technical data ETIM 4.0

Final value of non-delayed short-circuit release setting range		A	14.4
Initial value of non-delayed short-circuit release setting range		A	0.3
Setting range of overload releases		A	1.2
Short-circuit release function			Delayed
Number of poles			3
Rated uninterrupted current Iu		A	1.2

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

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