



Trip block Advanced 1-4A



Powering Business Worldwide™

Part no.
Article no.

PKE-XTUA-4
121728

Delivery programme

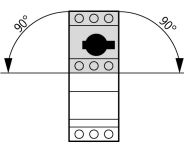
Accessories				Trip blocks
Setting range of overload releases	I_r	A		1 - 4
Expansions				With communication capability
Function				With overload release
Rated uninterrupted current	I_u	A		4
Motor rating				
AC-3				
220 V 230 V	P	kW		0.75
380 V 400 V	P	kW		1.5
440 V	P	kW		1.5
500 V	P	kW		2.2
660 V 690 V	P	kW		3
For use with				PKE12 basic device
Motor output/rated motor current				
Motor power	AC-3 rated motor current			
	220, 230 V	380, 400, 415 V	440 V	500 V
	240 V			660, 690 V
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		2.6	2.41	2.1
1.5		3.6	3.28	2.9
2.2				4
3				

Approvals

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

UL 508; CSA-C22.2 No. 14-10; IEC60947-4-1; CE marking
E36332
NLRV
12528
3211-05
UL listed, CSA certified
No

General

Standards			IEC/EN 60947, VDE 0660
Climatic proofing			Damp heat, constant to IEC 60068-2-78 Damp heat, cyclic to IEC 60068-2-30
Ambient temperature		°C	
Storage		°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
Protection against direct contact			Finger and back-of-hand proof
Mechanical shock resistance half-sinusoidal shock 10 ms to IEC 60068-2-27		g	25
Altitude		m	2000

Terminal capacity screw terminals		mm ²	
Solid		mm ²	1 x (1 - 6) 2 x (1 - 6)
Flexible with ferrule to DIN 46228		mm ²	1 x (1 - 6) 2 x (1 - 6)
Solid or stranded		AWG	18 - 10
Specified tightening torque for terminal screws			
Main cable		Nm	1.7
Control circuit cables		Nm	1

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
Lifespan, mechanical	Operations	x 10^6	0.05
Lifespan, electrical (AC-3 at 400 V)	Operations	x 10^6	0.05
Maximum operating frequency		Ops./ h	
Max. operating frequency		Ops./ h	60
Motor switching capacity		kA _{rms}	
AC-3 (up to 690 V)		A	4

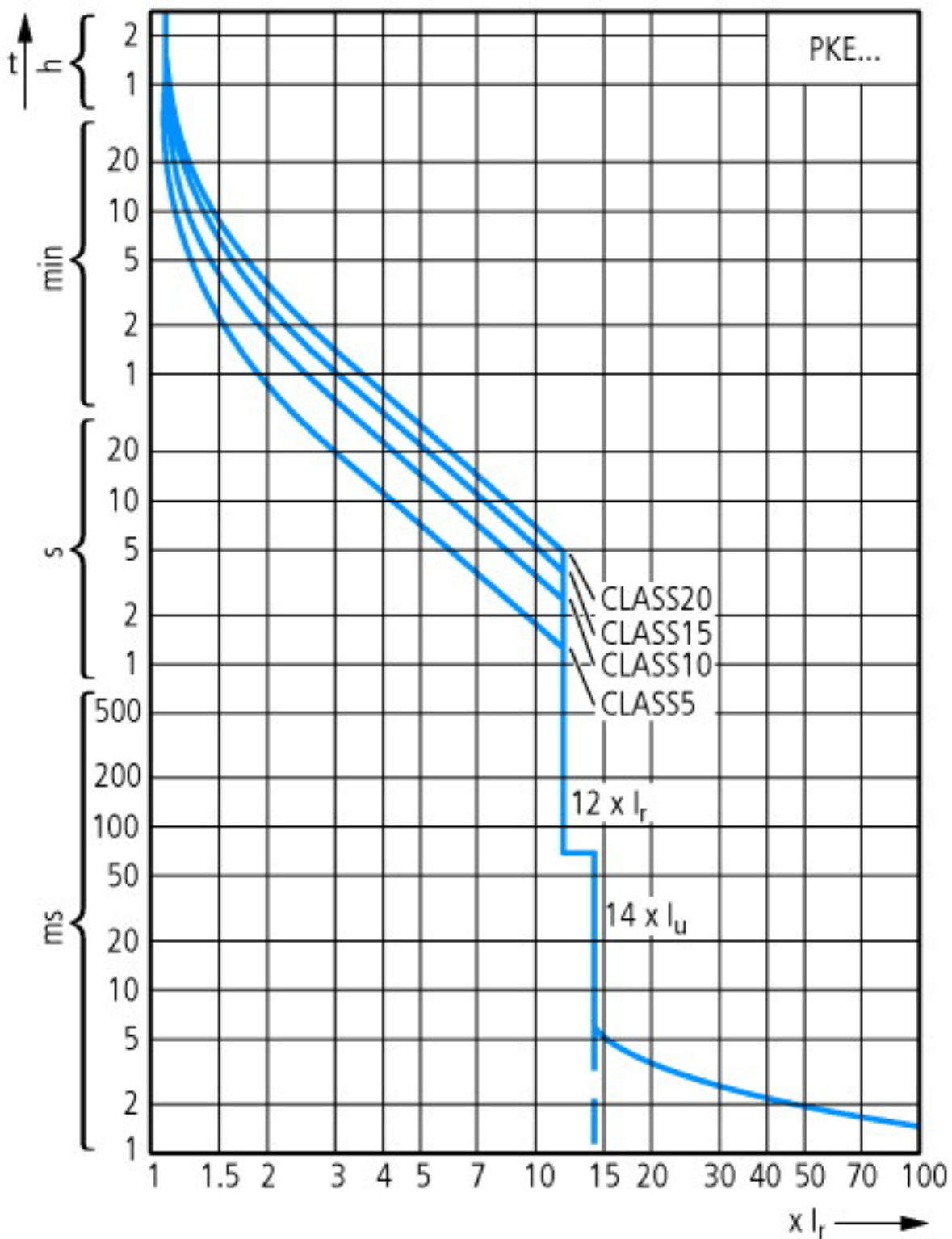
Trip blocks

Temperature compensation		°C	-5 – 40 (to IEC/EN 60947, VDE 0660) -25 – 55 (operating range)
Temperature compensation residual error for T > 40 °C			$\pm 0.1\%/K$
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			$\pm 20\%$
Phase-failure sensitivity			yes

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 I_u		A	4

Characteristics



Tripping characteristic curves, wide-range circuit breaker PKE

Additional product information (links)

IL03402019Z (AWA1210-2490) PKE motor-protective circuit-breaker with wide-range overload protection

IL03402019Z (AWA1210-2490) PKE motor-protective circuit-breaker with wide-range overload protection

ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL03402019Z2011_09.pdf

IL03402023Z (AWA1210-2705) Trip block for solid-state motor-protective circuit-breaker

IL03402023Z (AWA1210-2705) Trip block for solid-state motor-protective circuit-breaker

ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL03402023Z2011_08.pdf

MN03402004Z-DE/EN Motor-protective circuit-breaker PKE12 and PKE32; Overload monitoring of Ex e motors

MN03402004Z-DE/EN Motor-protective circuit-breaker PKE12 and PKE32; 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

