

Trip block Advanced 3-12A



Powering Business Worldwide™

Part no.
Article no.

PKE-XTUA-12
121729

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	3 - 12
Overload release, min.	I_r	A	3
Overload release, max.	I_r	A	12
Function			With overload release
Rated uninterrupted current	I_u	A	12
Motor rating			
AC-3			
220 V 230 V	P	kW	3
380 V 400 V	P	kW	5.5
440 V	P	kW	5.5
500 V	P	kW	5.5
660 V 690 V	P	kW	7.5
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
	230 V	400 V	500 V
	240 V	415 V	660 V
P	I	I	I
kW	A	A	A
0,75	3,2	-	-
1,1	4,6	-	-
1,5	6,3	3,6	-
2,2	8,7	5	4
3	11,5	6,6	5,3
4	-	8,5	6,8
5,5	-	11,3	9
7,5	-	-	-
			660 V
			690 V

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, 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	12
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	12

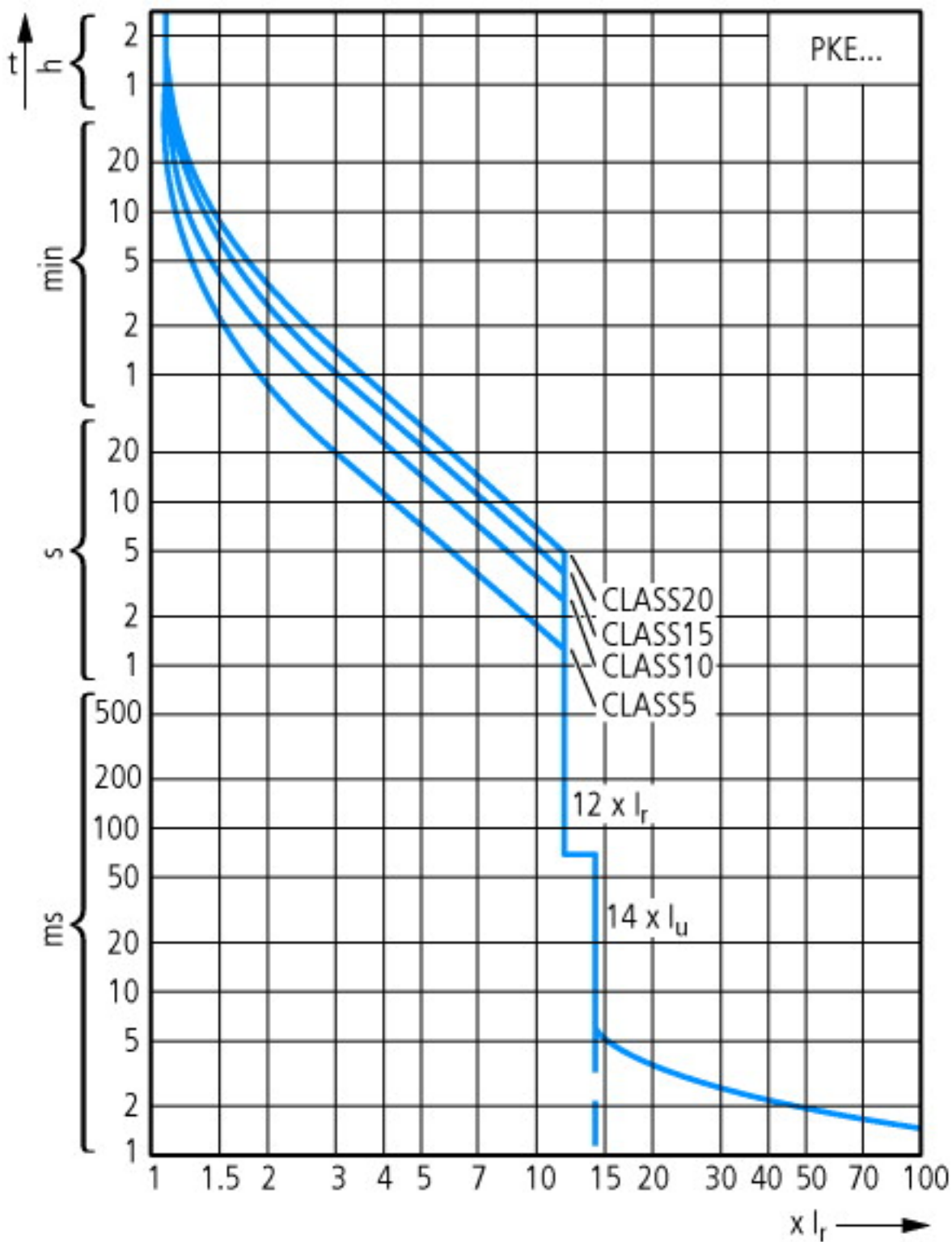
Trip blocks

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			$0.25 - 1 \times I_u$
Fixed short-circuit release			Trip block $12 \times I_r$ 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	144
Initial value of non-delayed short-circuit release setting range		A	3
Setting range of overload releases		A	12
Short-circuit release function			Delayed
Number of poles			3
Rated uninterrupted current I_u		A	12

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

