

## Trip block Standard 1-4A



Powering Business Worldwide™

**Part no.**  
**Article no.**

**PKE-XTU-4**  
**121724**

### Delivery programme

Product range			Accessories
Accessories			Trip blocks
Basic function			Motor protection Motor protection for heavy starting duty
<b>Setting range</b>			
Overload releases			
Setting range of overload releases	I <sub>r</sub>	A	1 - 4
Overload release, min.	I <sub>r</sub>	A	1
Overload release, max.	I <sub>r</sub>	A	4
Function			With overload release
Rated uninterrupted current	I <sub>u</sub>	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
	230 V	400 V	500 V
	240 V	415 V	660 V
P	I	I	I
kW	A	A	A
0,18	1,04	-	-
0,25	1,4	-	-
0,37	2	1,1	-
0,55	2,7	1,5	-
0,75	3,2	1,9	1,1
1,1	-	2,6	1,5
1,5	-	3,6	2,1
2,2	-	-	2,9
3	-	-	3,8

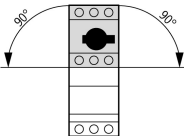
### Approvals

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	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

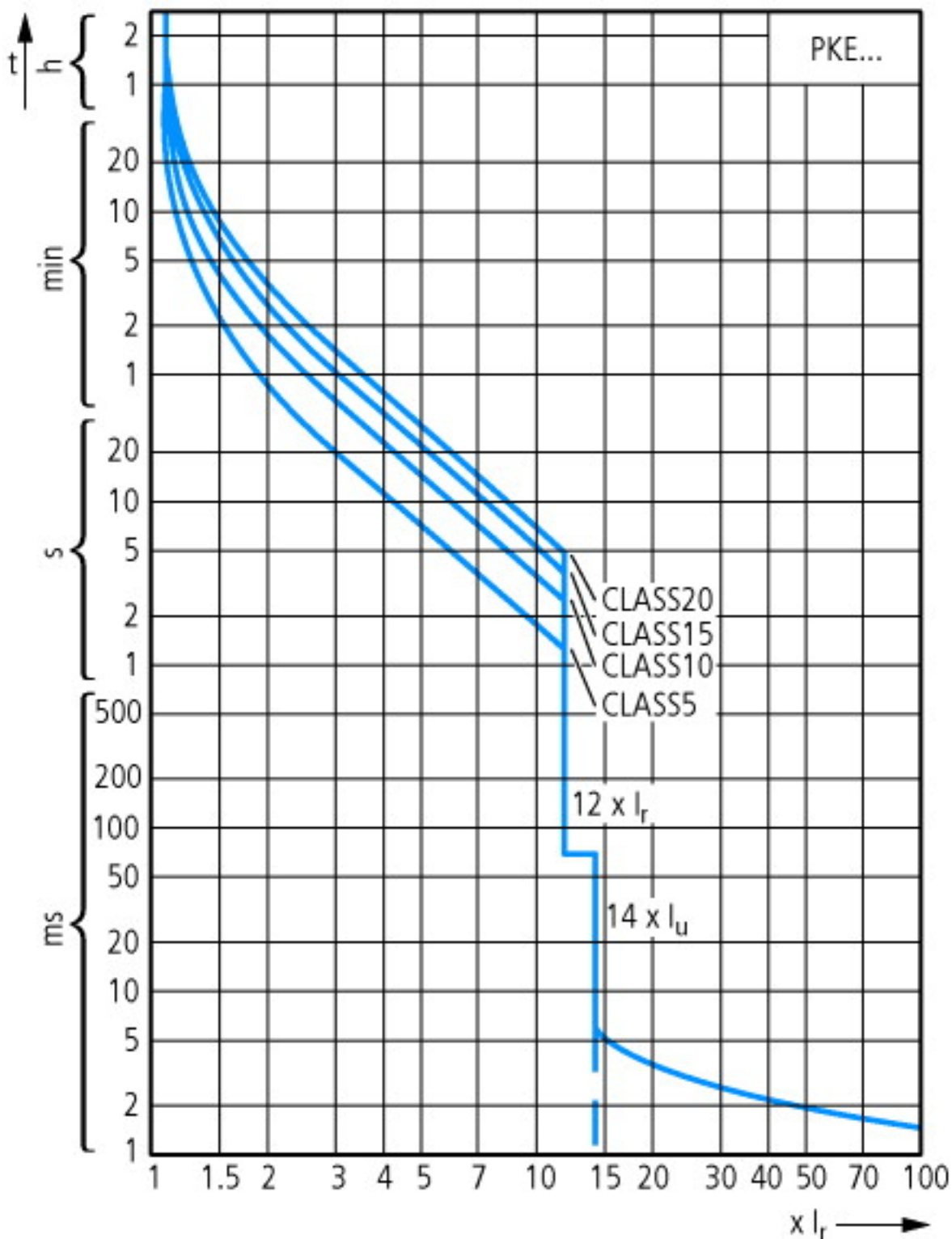
### Trip blocks

Temperature compensation		°C	-5 - +40 (to IEC/EN 60947, VDE 0660) -25 - +55 (operating range)
Temperature compensation residual error for $T > 40$ °C			$\leq 0.1\%/K$
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	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 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](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](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](http://www.moeller.net/binary/ver_techpapers/ver953en.pdf)

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