

Trip block Standard 3-12A

Part no.
Article no.

PKE-XTU-12
121725



Powering Business Worldwide™

Program

Accessories				Trip blocks
Setting range of overload releases	I_r	A		3–12
Expansions				without communication capability
Function				With overload release
Rated uninterrupted current	I_u	A		12
Motor rating				
AC-3				
220/230 V	P	kW		3
400 V	P	kW		5.5
440 V	P	kW		5.5
500 V	P	kW		5.5
690 V	P	kW		11
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
P [kW]	I [A]	I [A]	I [A]	I [A]
0.75	3.2			
1.1	4.6			
1.5	6.3	3.6	3.3	
2.2	8.7	5	4.6	4
3	11.5	6.6	6	5.3
4		8.5	7.7	6.8
5.5		11.3	10.2	9
7.5				
				3.8
				4.9
				6.5
				8.8

Approbationen

UL approval	Yes
CSA approval	Yes
Product Standards	UL 508; CSA-C22.2 No. 14; IEC60947-4-1; CE marking
NA Certification	Request filed for UL and CSA
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		°C	-20 - +80
Open		°C	-20 - +55
Enclosed		°C	-20 - +40
Direction of incoming supply			as required
Degree of protection			
Device			IP20

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
Current heat loss (3 pole at operating temperature)		W	6
Motor switching capacity		kA_{rms}	
AC-3 (up to 690 V)		A	12

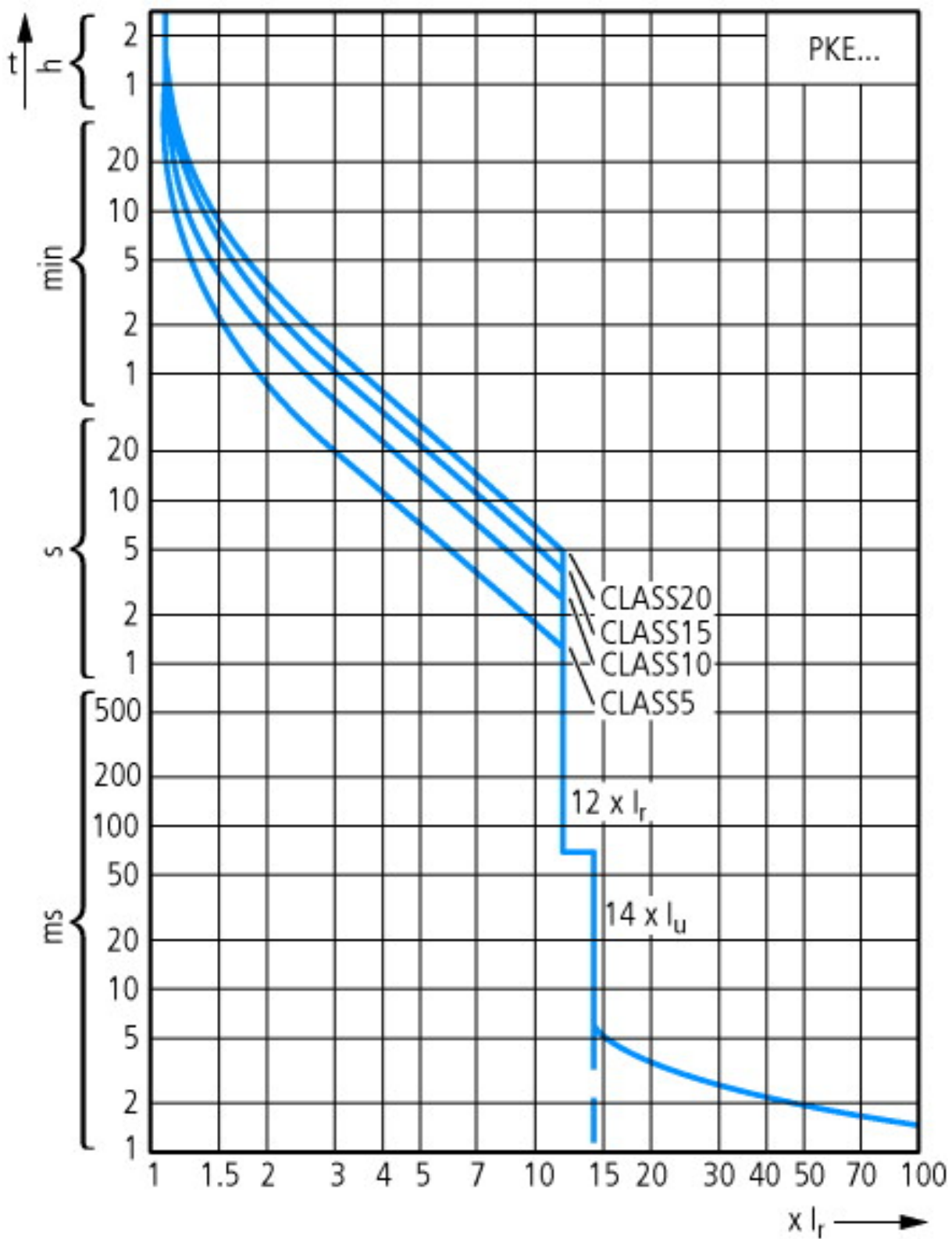
Trip blocks

Setting range of overload releases			$0.25 - 1 \times I_U$
Fixed short-circuit release			Trip block $12 \times I_r$
Short-circuit release tolerance			$\pm 20\%$
Phase-failure sensitivity			yes

Technical data according to 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 characteristic curves, wide-range circuit breaker PKE

CAD-Data

Product standards CAD data:

<http://eaton-moeller.partcommunity.com>

Additional product information (links)

AWA1210-2490 PKE motor protective circuit breakers with electronic wide-range overload protection

ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/24901109.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