

Trip block Standard 0.3-1.2A



Powering Business Worldwide™

Part no.

PKE-XTU-1,2

Article no.

121723

Program

Accessories				Trip blocks	
Setting range of overload releases	I_r	A		0.3–1.2	
Expansions				without communication capability	
Function				With overload release	
Rated uninterrupted current	I_u	A		1.2	
Motor rating					
AC-3					
220/230 V	P	kW		0.18	
400 V	P	kW		0.37	
440 V	P	kW		0.37	
500 V	P	kW		0.37	
690 V	P	kW		0.75	
For use with				PKE12 basic device	
Motor power	AC-3 rated motor current				
	220, 230 V	380, 400, 415 V	440 V	500 V	660, 690 V
P [kW]	I [A]	I [A]	I [A]	I [A]	I [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

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	1.2
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	1

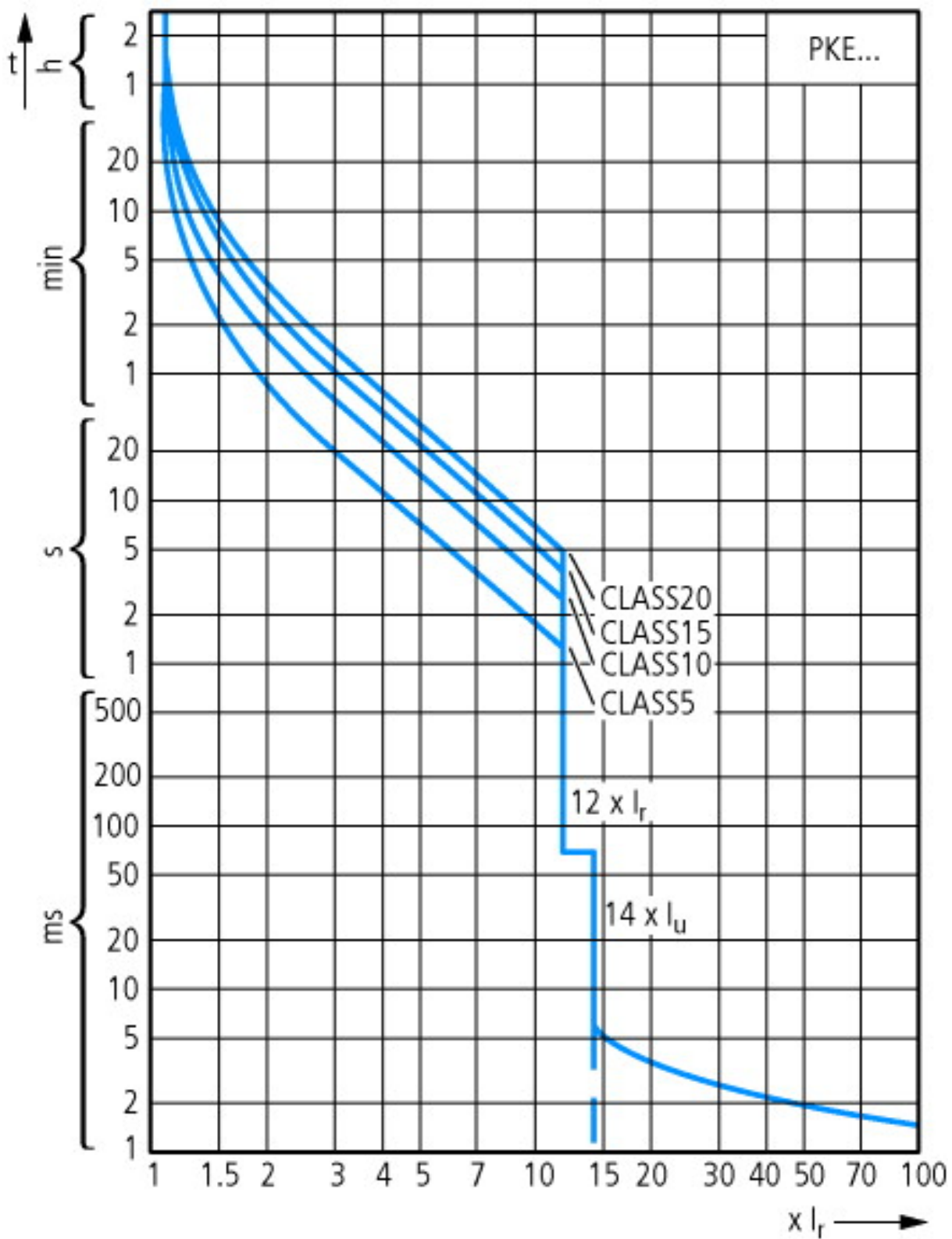
Trip blocks

Setting range of overload releases			0.25 - 1 x I _U
Fixed short-circuit release			Trip block 12 x I _r
Short-circuit release tolerance			± 20%
Phase-failure sensitivity			yes

Technical data according to 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 I _u		A	1.2

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