



PKE65 + trip block Standard 8-32A



Powering Business Worldwide™

Part no. PKE65/XTUW-32

Article no. 138517

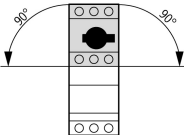
Delivery programme

Single unit/Complete unit			Complete unit
Setting range of overload releases	I_r	A	8-32
Function			With overload release
Motor rating			
AC-3			
220 V 230 V	P	kW	7.5
380 V 400 V	P	kW	15
660 V 690 V	P	kW	30
Motor output/rated motor current			
Motor rating	AC-3 rated motor current		
	220, 230 V	380, 400, 415 V	440 V
	240 V		500 V
			660, 690 V
P [kW]	I [A]	I [A]	I [A]
2.2	8.7		
3	11.5		
4	14.8	8.5	
5.5	19.6	11.3	10.2
7.5	26.4	15.2	13.8
11		21.7	19.8
15		29.3	26.6
18.5			9
22			12.1
30			17.4
			23.4
			28.9
			8.8
			12.6
			17
			20.9
			23.8
			32

Approbationen

UL approval	Yes
CSA approval	Yes
Product Standards	UL508; IEC60947-4-1; CE marking
UL File No.	E36332
UL CCN	NLRV
CSA File No.	Request filed for CSA
CSA Class No.	Request filed for CSA
NA Certification	UL listed, request filed for CSA
Specially designed for NA	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
EN50274 busbar tag shroud		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 (0.75 - 16) 2 x (0.75 - 16)
Flexible with ferrule to DIN 46228		mm ²	1 x (0.75 - 35) 2 x (0.75 - 25)
Solid or stranded		AWG	14 - 2
Specified tightening torque for terminal screws			
Main cable		Nm	3.3
Control circuit cables		Nm	1

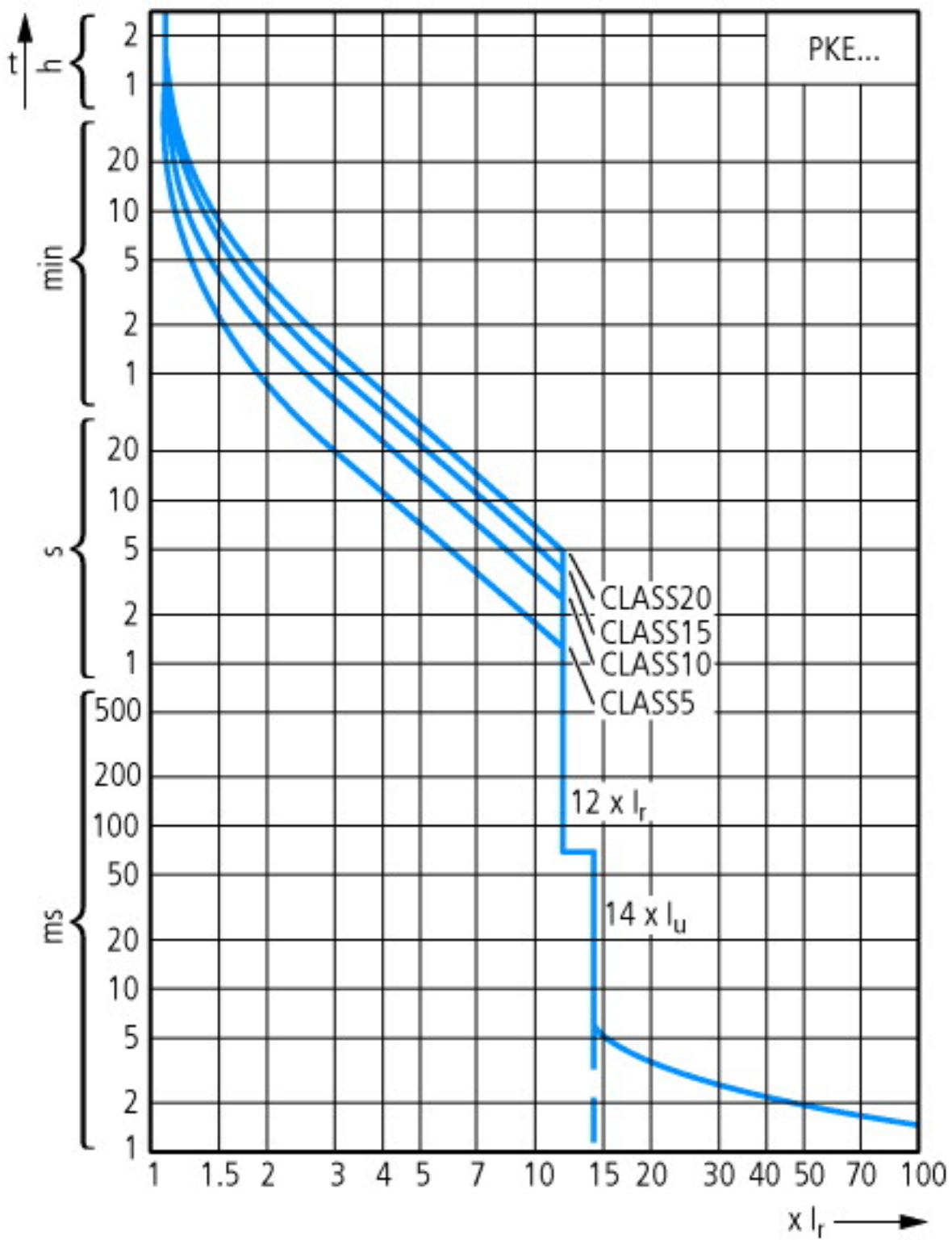
Main conducting paths

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	32
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	32

Trip blocks

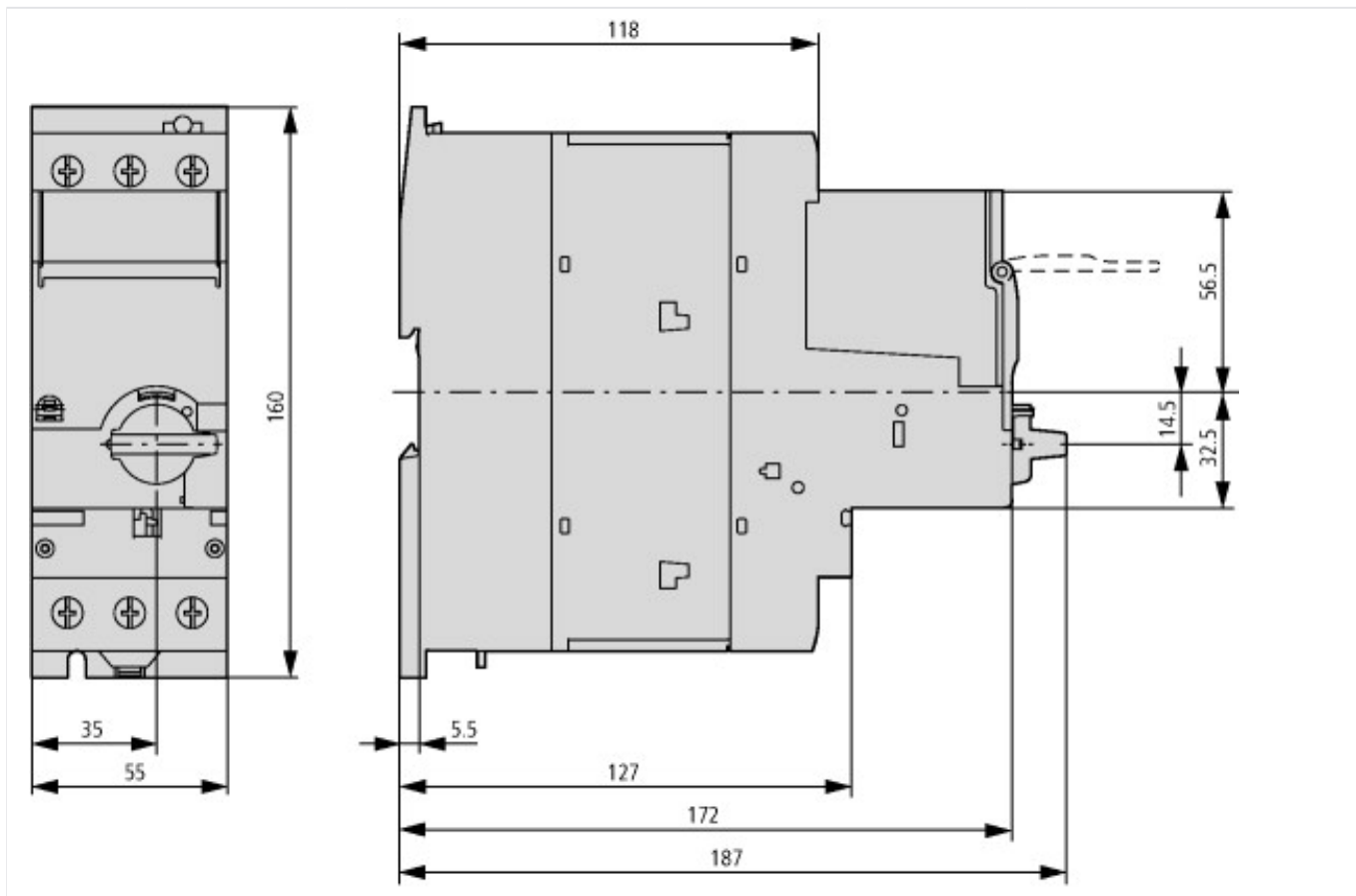
Temperature compensation		°C	-5 – 40 (to IEC/EN 60947, VDE 0660) -25 – 55 (operating range)
Temperature compensation residual error for T > 40 °C			$\pm 0.1\%/K$
Setting range of overload releases			0.25 - 1 x I_u
Fixed short-circuit release			Trip block 12 x I_r delayed approx. 60 ms
Short-circuit release tolerance			$\pm 20\%$
Phase-failure sensitivity			yes

Characteristics



Tripping characteristic curves, wide-range circuit breaker PKE

Dimensions



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
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