



## PKE65 + trip block Standard 8-65A



Powering Business Worldwide™

Part no. PKE65/XTU-65

Article no. 138516

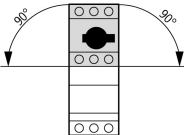
### Delivery programme

Single unit/Complete unit			Complete unit
Setting range of overload releases	$I_r$	A	16-65
Function			With overload release
Motor rating			
AC-3			
220 V 230 V	P	kW	18.5
380 V 400 V	P	kW	30
660 V 690 V	P	kW	55
Motor output/rated motor current			
<b>Motor rating</b>	<b>AC-3 rated motor current</b>		
	220, 230 V	380, 400, 415 V	440 V
	240 V		500 V
	240 V		660, 690 V
P [kW]	I [A]	I [A]	I [A]
5.5	19.6		
7.5	26.4		
11	38	21.7	19.7
15	51	29.3	26.6
18.5	63	36	32.9
22		41	37.4
30		55	50.3
37			61.4
45			
55			

### 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 <sup>2</sup>	
Solid		mm <sup>2</sup>	1 x (0.75 - 16) 2 x (0.75 - 16)
Flexible with ferrule to DIN 46228		mm <sup>2</sup>	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

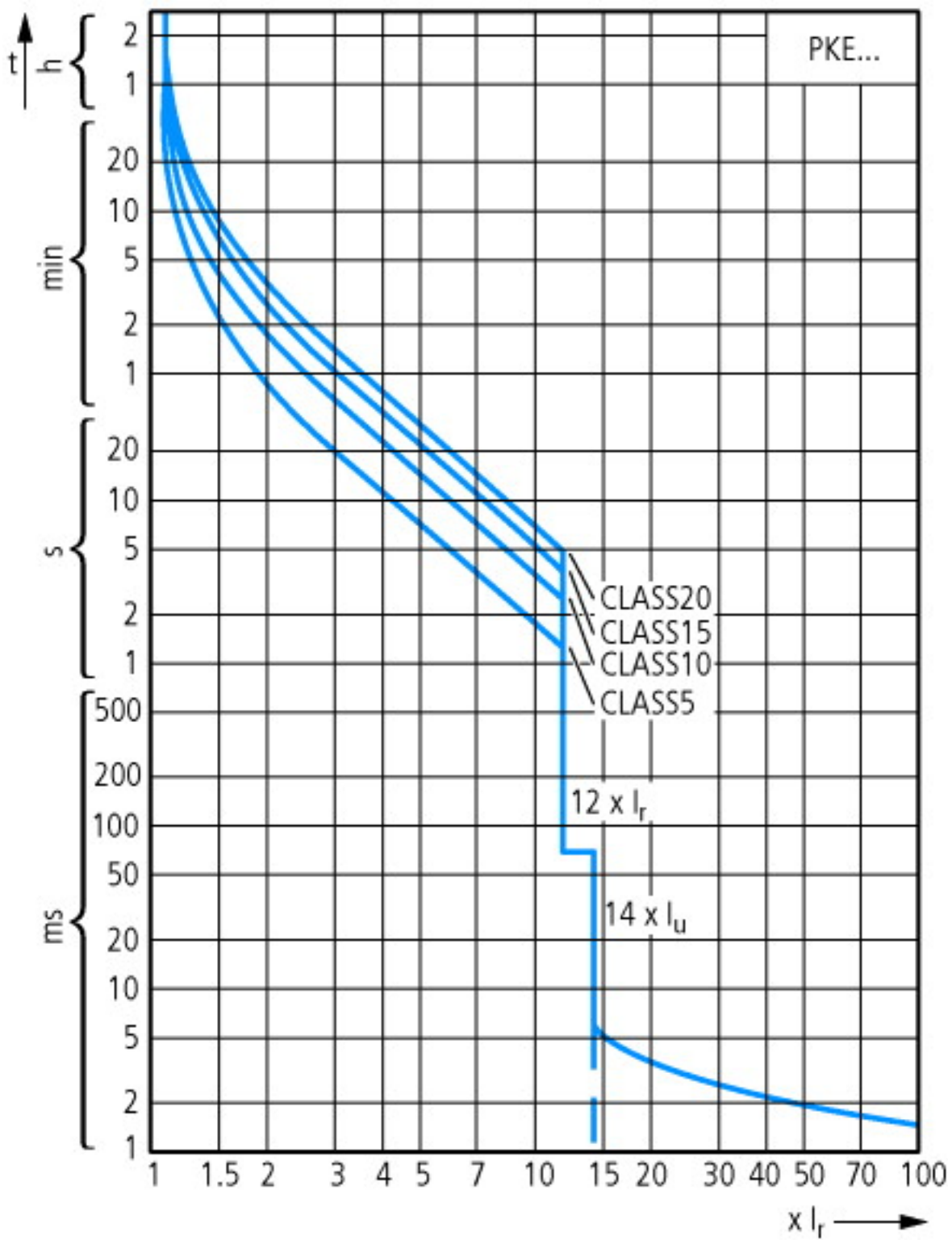
### Main conducting paths

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	65
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 <sub>rms</sub>	
AC-3 (up to 690 V)		A	65

### Trip blocks

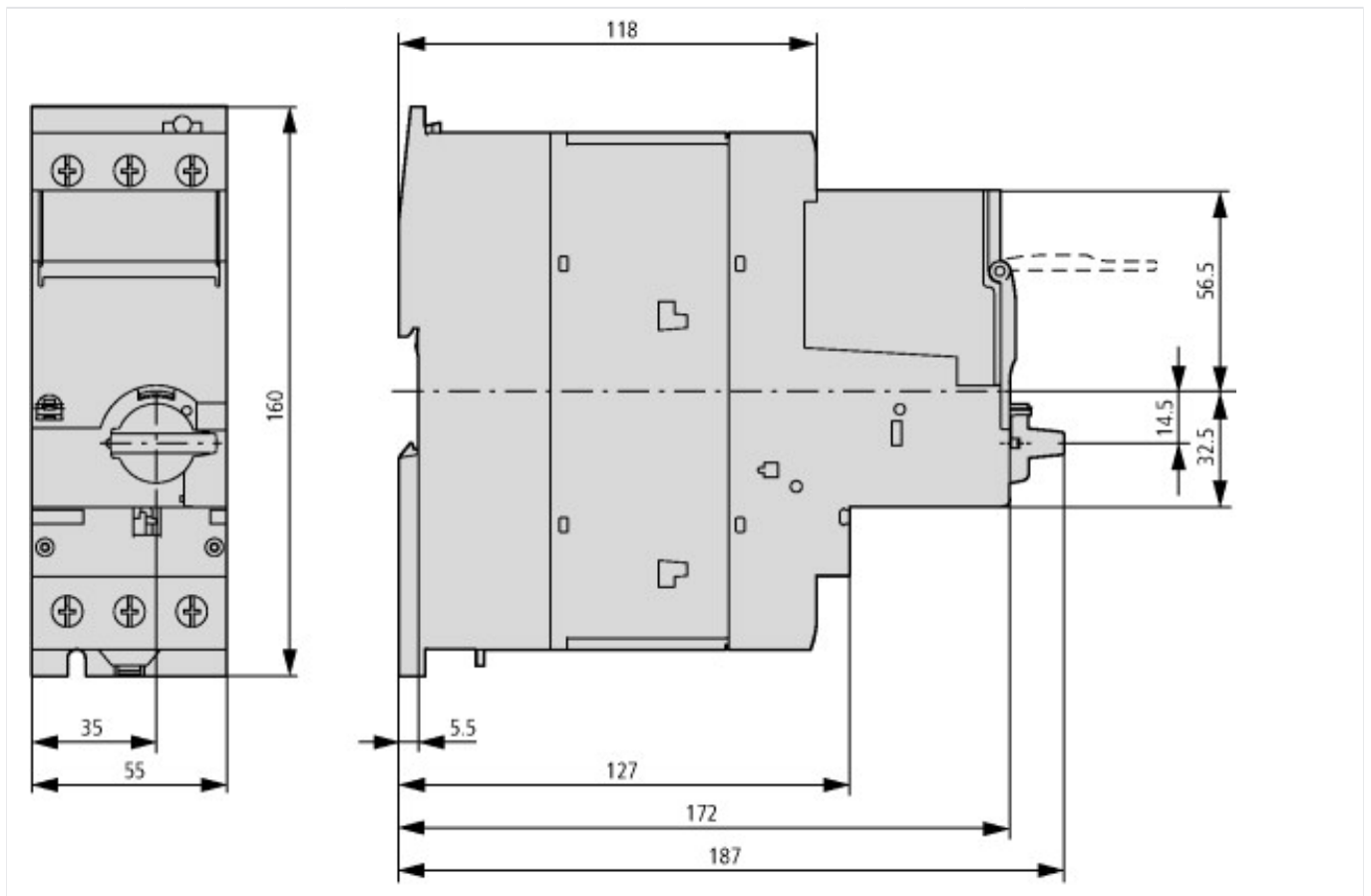
Temperature compensation		°C	-5 – 40 (to IEC/EN 60947, VDE 0660) -25 – 55 (operating range)
Temperature compensation residual error for T > 40 °C			$\pm 0.1\%/K$
Setting range of overload releases			0.25 - 1 x $I_u$
Fixed short-circuit release			Trip block 12 x $I_r$ delayed approx. 60 ms
Short-circuit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

## Characteristics



Tripping characteristic curves, wide-range circuit breaker PKE

## Dimensions



#### Additional product information (links)

<b>IL03402019Z (AWA1210-2490) PKE motor-protective circuit-breaker with wide-range overload protection</b>	
IL03402019Z (AWA1210-2490) PKE motor-protective circuit-breaker with wide-range overload protection	<a href="ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL03402019Z2011_09.pdf">ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL03402019Z2011_09.pdf</a>
<b>IL03402023Z (AWA1210-2705) Trip block for solid-state motor-protective circuit-breaker</b>	
IL03402023Z (AWA1210-2705) Trip block for solid-state motor-protective circuit-breaker	<a href="ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL03402023Z2011_08.pdf">ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL03402023Z2011_08.pdf</a>
Motor starters and "Special Purpose Ratings" for the North American market	<a href="http://www.moeller.net/binary/ver_techpapers/ver953en.pdf">http://www.moeller.net/binary/ver_techpapers/ver953en.pdf</a>
Busbar Component Adapters for modern Industrial control panels	<a href="http://www.moeller.net/binary/ver_techpapers/ver960en.pdf">http://www.moeller.net/binary/ver_techpapers/ver960en.pdf</a>