Trip-Block ZM-PKZ2

Part no. ZM-4-PKZ2
Article no. 036098

Powering Business Worldwide™

Delivery programme

Product range			Accessories: PKZ2 System - PRODUCT DISCONTINUATION IN 2012
Accessories			Trip blocks
			with overload release
Max. motor rating			
AC-3			
220 V 230 V 240 V			
220 V 230 V	P	kW	0.75
380 V 400 V 415 V			
380 V 400 V	P	kW	1.5
440 V	P	kW	1.5
500 V	P	kW	2.2
660 V 690 V			
660 V 690 V	P	kW	3
Rated uninterrupted current	I_u	A	4
Setting range			
Overload releases	I_r	A	2.4 - 4
Short-circuit releases	I_{rm}	A	35 - 55

Notes

Single-phasing sensitivity to IEC/EN 60947-4-1

Suitable for the protection of EEx e motors

PTB Certificate No.: 3.53-388.299

Extension to ATEX applied for

Overload releases, adjustable

I_r = 0.6 - 1.0 x I_u

Adjustable short-circuit release

I_{rm} = 8.5 - 14 x I_u

Factory set to 12 x I_u

NotesService factor (SF)
Set value Ir on the current scale, depending on the load factor
Calculate motor power in this range according to the rated operational current. Stated values to NEC Table 430 - 150.
Approved rating data

Devices for world markets IEC UL/CSA

Notes

When using the M-…-PKZ2 for short-circuit protection of motors with heavy-duty starting, the rated operating current e must be overdimensioned by the following factors in the course of the project engineering:

CLASS	Factor
5	1.0
10	1.0
15	1.22
20	1.41
25	1.58
30	1.73
35	1.89
40	2.0

Approvals

Product Standards	UL 508; CSA-C22.2 No. 14; IEC60947-4-1; CE marking
UL File No.	E36332
UL CCN	NLRV
CSA File No.	12528
CSA Class No.	3211-05

NA Certification	UL listed, CSA certified
Specially designed for NA	No

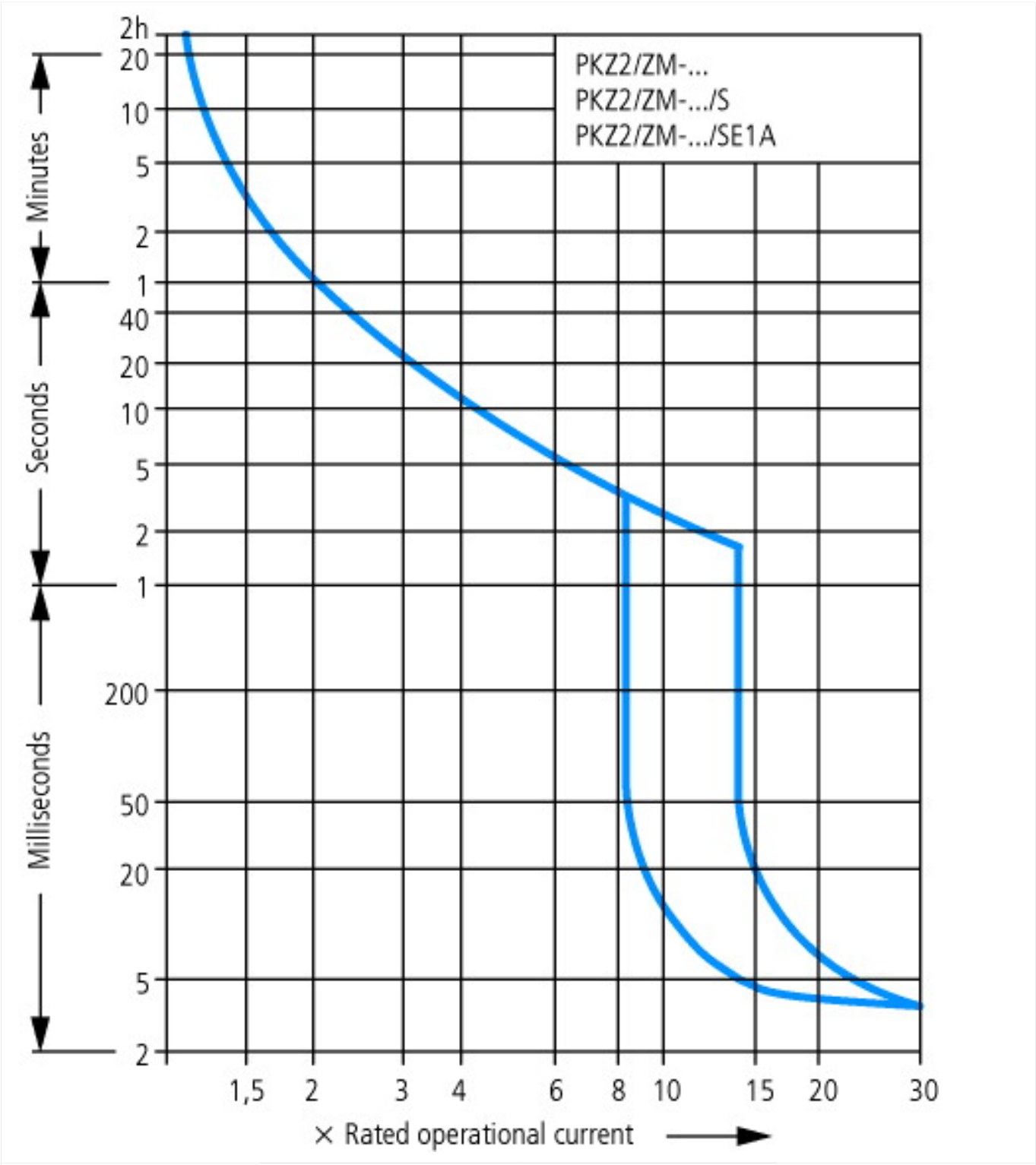
ZM-..-PKZ2, ZMR-..-PKZ2 trip blocks for motor protection

Setting range of overload releases		x I_u	0.6 - 1
Short-circuit releases		x I_u	8.5 - 14
Phase-failure sensitivity			IEC/EN 60947-1-1, VDE 0660 Part 102

Technical data ETIM 4.0

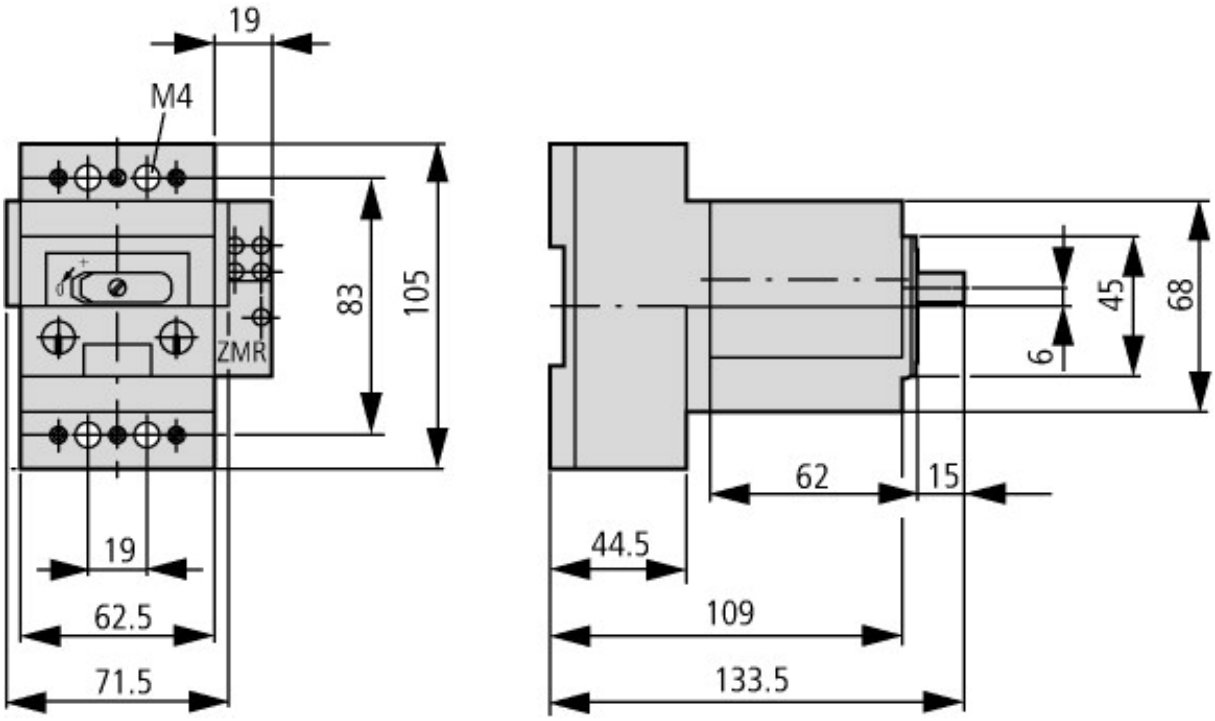
Final value of non-delayed short-circuit release setting range		A	55
Initial value of non-delayed short-circuit release setting range		A	35
Setting range of overload releases		A	4
Short-circuit release function			Non-delayed
Number of poles			3
Rated uninterrupted current Iu		A	4

Characteristics



Motor-protective circuit-breaker (high-capacity) compact starter tripping characteristic

Dimensions



PKZ2/(Z)M-…

Additional product information (links)

AWA1280-0876 Motor-protective circuit-breaker	
	AWA1280-0876 Motor-protective circuit-breaker
AWB1210-1485 PKZ2 motor-protective circuit-breakers, overload monitoring of EEx e motors	
	AWB1210-1485 PKZ2 motor-protective circuit-breakers, overload monitoring of EEx e motors
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