



## Trip-Block ZM-PKZ2

**Part no.**  
**Article no.**

**ZM-32-PKZ2**  
**047963**



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	7.5
380 V 400 V 415 V			
380 V 400 V	P	kW	15
440 V	P	kW	17.5
500 V	P	kW	22
660 V 690 V			
660 V 690 V	P	kW	22
Rated uninterrupted current	$I_u$	A	32
<b>Setting range</b>			
Overload releases	$I_r$	A	24 - 32
Short-circuit releases	$I_{rm}$	A	275 - 425

#### 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

$$I_r = 0.6 - 1.0 \times I_u$$

Adjustable short-circuit release

$$I_{rm} = 8.5 - 14 \times I_u$$

Factory set to  $12 \times I_u$

#### NotesService factor (SF)

Set value  $I_r$  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 oversized 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 File No.

UL CCN

CSA File No.

CSA Class No.

UL 508; CSA-C22.2 No. 14; IEC60947-4-1; CE marking

E36332

NLRV

12528

3211-05

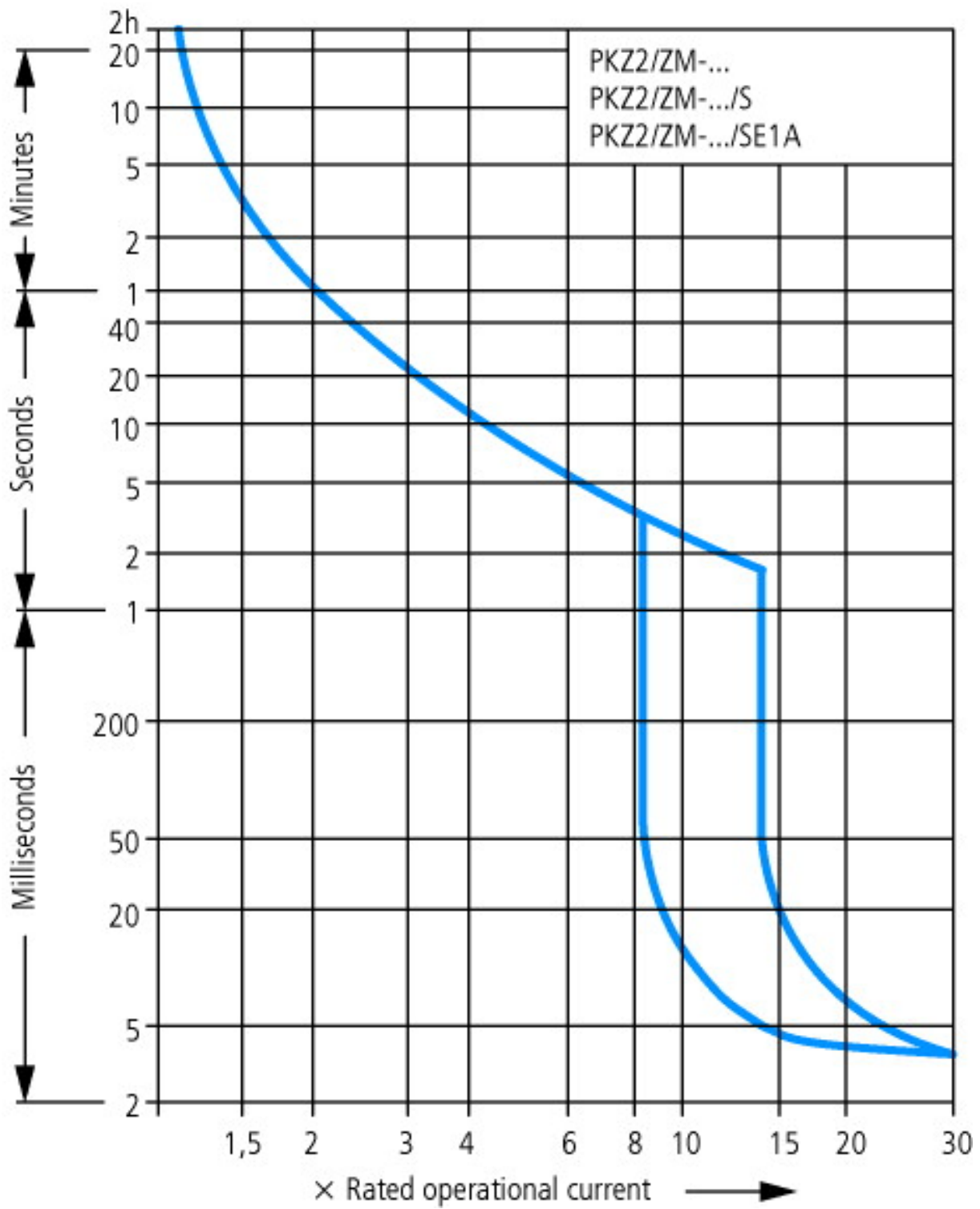
### ZM-..-PKZ2, ZMR-..-PKZ2 trip blocks for motor protection

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

### Technical data ETIM 4.0

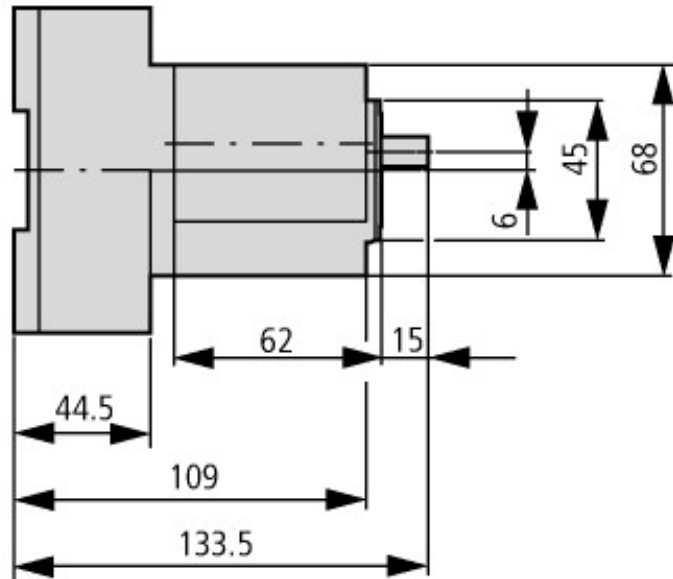
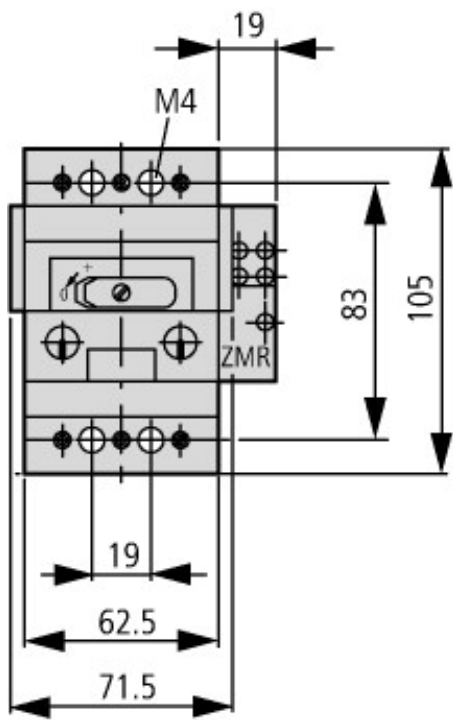
Final value of non-delayed short-circuit release setting range		A	425
Initial value of non-delayed short-circuit release setting range		A	375
Setting range of overload releases		A	32
Short-circuit release function			Non-delayed
Number of poles			3
Rated uninterrupted current $I_u$		A	32

### Characteristics



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

## Dimensions



PKZ2/(Z)M-...