



**Trip block, 15 - 36 A, System protection, Connection to SmartWire-DT: no,
For use with: PKE32 basic device**

EATON
Powering Business Worldwide™

Part no. PKE-XTUCP-36
Catalog No. 153164
Alternate Catalog No. XTPEXT036BD
EL-Nummer (Norway) 0004315138

Delivery program

Product range				Accessories
Accessories				Trip blocks
Basic function				System protection Line and cable protection
Setting range				
Overload releases				
Setting range of overload releases	I_r	A	15 - 36	
Overload release, min.	I_r	A	15	
Overload release, max.	I_r	A	36	
short-circuit release	I_{rm}	A	75 - 288	
Function				with overcurrent protection and short-circuit protective device
Rated uninterrupted current = rated operational current	$I_u = I_e$	A	36	
For use with				PKE32 basic device
Connection to SmartWire-DT				no

Technical data

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					
Storage	$^{\circ}\text{C}$	- 40 - 80			
Open	$^{\circ}\text{C}$	- 25 - +55			
Enclosed	$^{\circ}\text{C}$	- 25 - 40			
Mounting position					
Direction of incoming supply	as required				
Degree of protection					
Device	IP20				
Terminations	IP00				
Protection against direct contact when actuated from front (EN 50274)	Finger and back-of-hand proof				
Mechanical shock resistance half-sinusoidal shock 10 ms to IEC 60068-2-27	g	25			
Altitude	m	Max. 2000			

Main conducting paths

Rated impulse withstand voltage	U_{imp}	V AC	6000
Oversupply category/pollution degree			III/3
Rated operational voltage	U_e	V AC	690

Rated uninterrupted current = rated operational current	$I_u = I_e$	A	36
Rated frequency	f	Hz	40 - 60
Max. operating frequency		Ops/h	60
AC-4 cycle operation			
Minimum current flow times		ms	500 (Class 5) 700 (Class 10) 900 (Class 15) 1000 (Class 20)
Minimum cut-out periods		ms	500
Note		ms	In AC-4 cycle operation, going below the minimum current flow time can cause overheating of the load (motor). For all combinations with an SWD activation, you need not adhere to the minimum current flow times and minimum cut-out periods.

Trip blocks

Temperature compensation			
to IEC/EN 60947, VDE 0660		°C	- 5 ... 40
Operating range		°C	- 25 ... 55
Setting range of overload releases		$\times I_u$	0.42 - 1
short-circuit release			Trip block, adjustable: 5 - 8 $\times I_r$ delayed approx. 60 ms
Short-circuit release tolerance			± 20%
Phase-failure sensitivity			no (with PKE-XTU(A)CP-...)

Design verification as per IEC/EN 61439

Technical data for design verification			
Rated operational current for specified heat dissipation	I_n	A	36
Heat dissipation per pole, current-dependent	P_{vid}	W	1.7
Equipment heat dissipation, current-dependent	P_{vid}	W	4.9
Static heat dissipation, non-current-dependent	P_{vs}	W	0
Heat dissipation capacity	P_{diss}	W	0
Operating ambient temperature min.		°C	-25
Operating ambient temperature max.		°C	55
IEC/EN 61439 design verification			
10.2 Strength of materials and parts			
10.2.2 Corrosion resistance			Meets the product standard's requirements.
10.2.3.1 Verification of thermal stability of enclosures			Meets the product standard's requirements.
10.2.3.2 Verification of resistance of insulating materials to normal heat			Meets the product standard's requirements.
10.2.3.3 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects			Meets the product standard's requirements.
10.2.4 Resistance to ultra-violet (UV) radiation			Meets the product standard's requirements.
10.2.5 Lifting			Does not apply, since the entire switchgear needs to be evaluated.
10.2.6 Mechanical impact			Does not apply, since the entire switchgear needs to be evaluated.
10.2.7 Inscriptions			Meets the product standard's requirements.
10.3 Degree of protection of ASSEMBLIES			Does not apply, since the entire switchgear needs to be evaluated.
10.4 Clearances and creepage distances			Meets the product standard's requirements.
10.5 Protection against electric shock			Does not apply, since the entire switchgear needs to be evaluated.
10.6 Incorporation of switching devices and components			Does not apply, since the entire switchgear needs to be evaluated.
10.7 Internal electrical circuits and connections			Is the panel builder's responsibility.
10.8 Connections for external conductors			Is the panel builder's responsibility.
10.9 Insulation properties			
10.9.2 Power-frequency electric strength			Is the panel builder's responsibility.
10.9.3 Impulse withstand voltage			Is the panel builder's responsibility.
10.9.4 Testing of enclosures made of insulating material			Is the panel builder's responsibility.
10.10 Temperature rise			The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
10.11 Short-circuit rating			Is the panel builder's responsibility. The specifications for the switchgear must be observed.
10.12 Electromagnetic compatibility			Is the panel builder's responsibility. The specifications for the switchgear must be observed.

Technical data ETIM 7.0

Low-voltage industrial components (EG000017) / Tripping bloc for power circuit-breaker (EC000617)

Electric engineering, automation, process control engineering / Low-voltage switch technology / Circuit breaker (LV < 1 kV) / Releasing block for circuit breakers (ecl@ss10.0.1-27-37-04-10 [AKF008013])

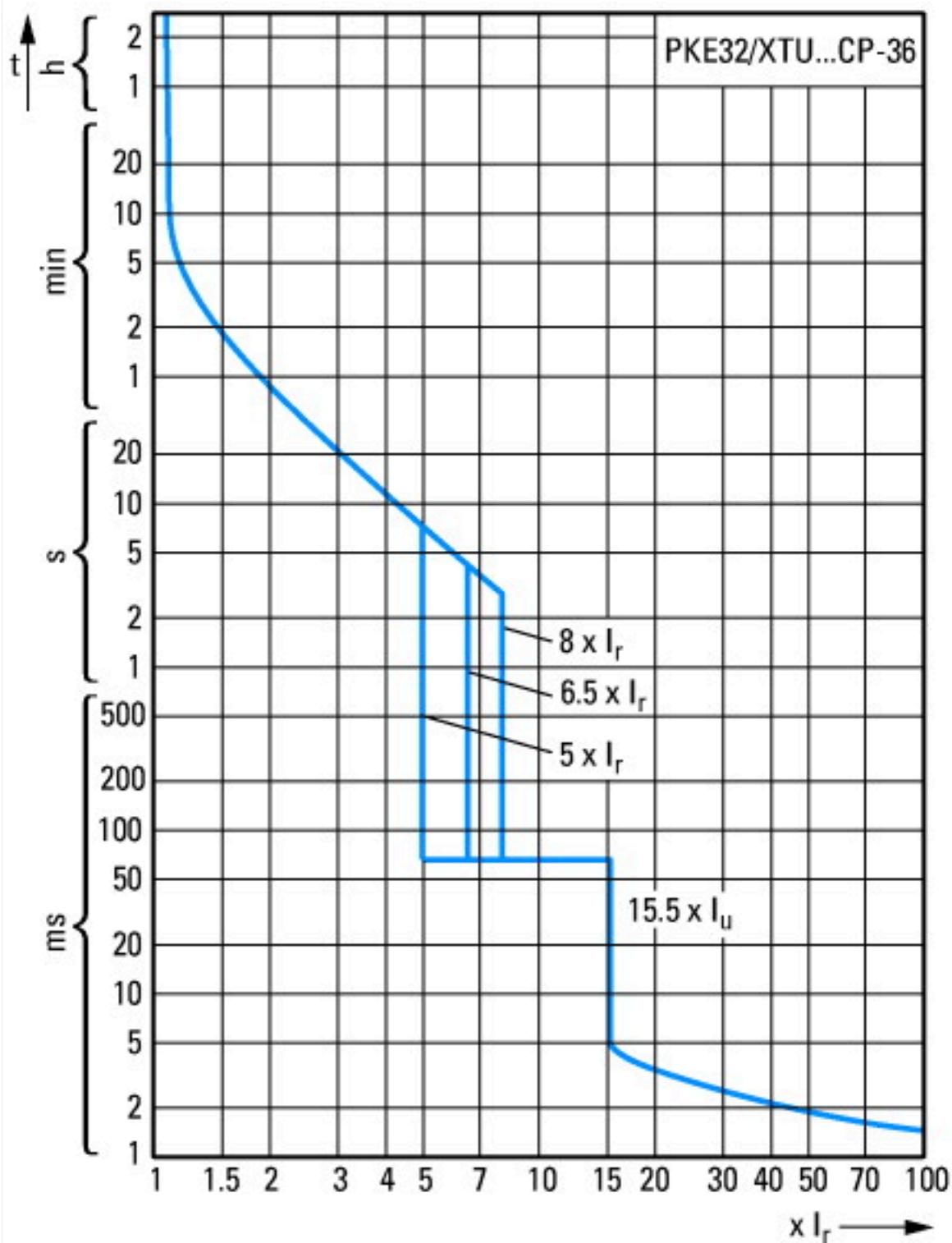
Overload release current setting	A	15 - 36
Initial value of the undelayed short-circuit release - setting range	A	75
End value adjustment range undelayed short-circuit release	A	288
Rated permanent current I_p	A	36
Voltage type for actuating		Self powered
Rated control supply voltage U_s at AC 50HZ	V	0 - 0
Rated control supply voltage U_s at AC 60HZ	V	0 - 0
Rated control supply voltage U_s at DC	V	0 - 0
Number of poles		3
Short-circuit release function		Delayed
With ground fault protection function		No
Type of motor protection		Electronic release

Approvals

Specially designed for North America

No

Characteristics



Tripping characteristics

Assets (links)

Declaration of CE Conformity

00002852

Instruction Leaflets

IL034013ZU2018_03

Manuals

MN03402004Z_DE_EN (German)

MN03402004Z_DE_EN (English)