

Current Monitoring Relays

AKC Series



AKC series current monitoring relays measure system currents, and shut down systems when measured current values are below or above defined levels.

CE

CT-25

Direct monitoring up to 60A with CT-25

PRODUCT SELECTION TABLE

Product Code		Under Current Protection	Over Current Protection	.../5A	CT-25	DIN2 Rail Mounting	Pcs / Box
AKC-01D	Under Current Protection (0,5-5A)	●		●		●	16
AKC-01A	Over Current Protection (0,5-5A)		●	●		●	16
AKC-03D	Under Current Protection (between 1,5 and 60A with CT-25)	●			●	●	12
AKC-03A	Over Current Protection (between 1,5 and 60A with CT-25)		●		●	●	12

* Please check page 90 for further information about CT-25.

SPECIFICATIONS

	AKC-01D	AKC-01A	AKC-03D	AKC-03A
ENCLOSURE				
Dimensions	PK28			
Weight	0,25kg / pcs.			
Protection Class	IP20			
MEASUREMENTS				
Current Adjustment Interval	0,5-5A		With 1 turn 6-60A / with 2 turn 3-30A With 3 turn 2-20A / with 4 turn 1,5-15A	
Current Transformer Ratio	.../5A		Defined ranges are for CT-25	
SUPPLY				
Operating Voltage	230 VAC±10%			
Operating Frequency	50/60 Hz			
OUTPUT				
Start-up Delay	1-6 sec adjustable			
Tripping Delay	0,5-2,5 sec adjustable			
Output Contact	1C/O 8A 2000VA (cosφ=1)			
AMBIENT CONDITIONS				
Ambient Temperature	-5 / +55°C ; 90%			
Over Voltage Category	III			
CONNECTIONS				
Mounting	Rail Mounting; Terminal with screw			
Connection Types	Single phase 2 wires (voltage) ; .../5A current transformer or with CT 25 (current)			
STANDARDS				
Applied Standards	EC 61010-1, IEC61000-6-2			

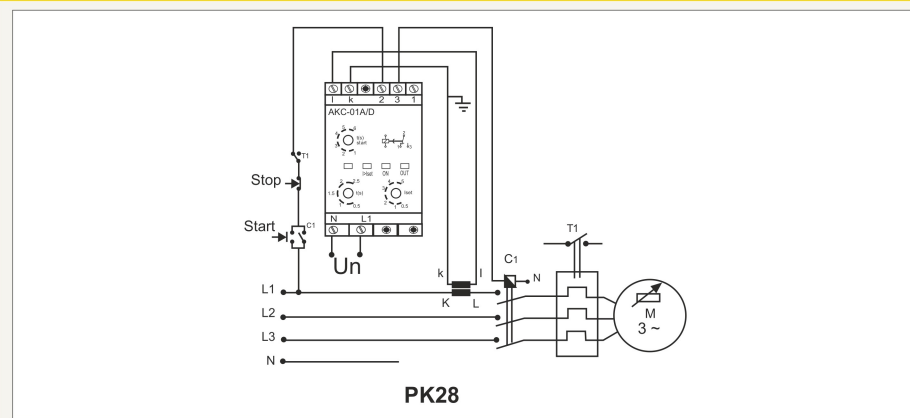


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Connection Diagrams

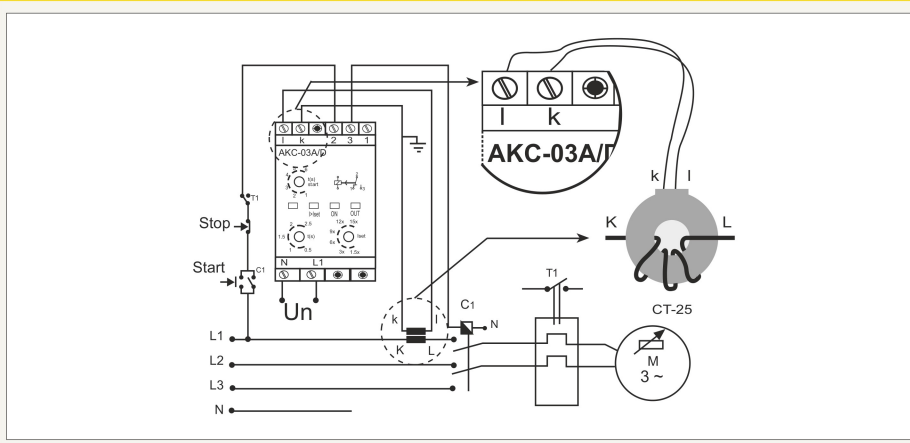
AKC-01A/AKC-01D



PK28

AKC-3A / AKC-3D series must be used if current exceeds 5A.

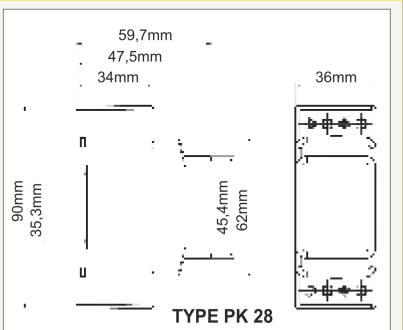
AKC-03A/AKC-03D



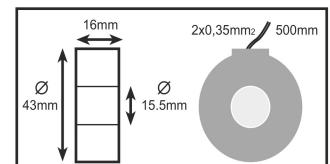
- 6 - 60A with 1 turn
- 3 - 30A with 2 turn
- 2 - 20A with 3 turn
- 1,5 - 15A with 4 turn

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Dimensions

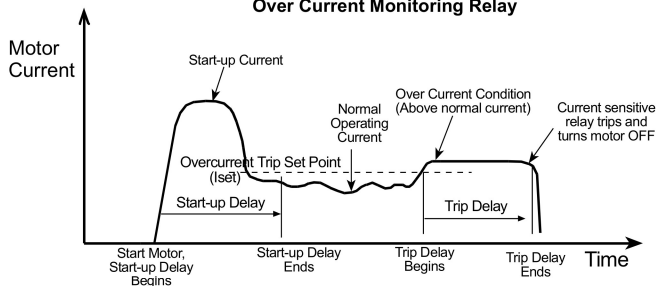


TYPE PK 28



CT-25

Over Current Monitoring Relay



Under Current Monitoring Relay

