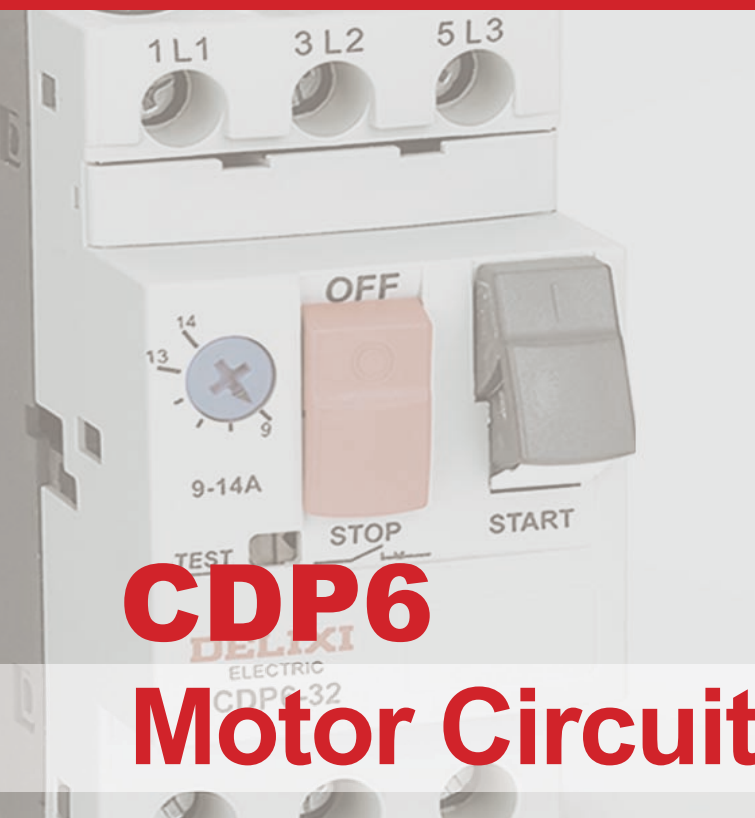




CDP6 Motor Circuit Breaker

"New generation" Of motor control and protection products

" Delixi Electric Easy Electric "



Delixi Electric
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Are you an electrician, an electric engineer, a director of technology purchasing, or a project manager?

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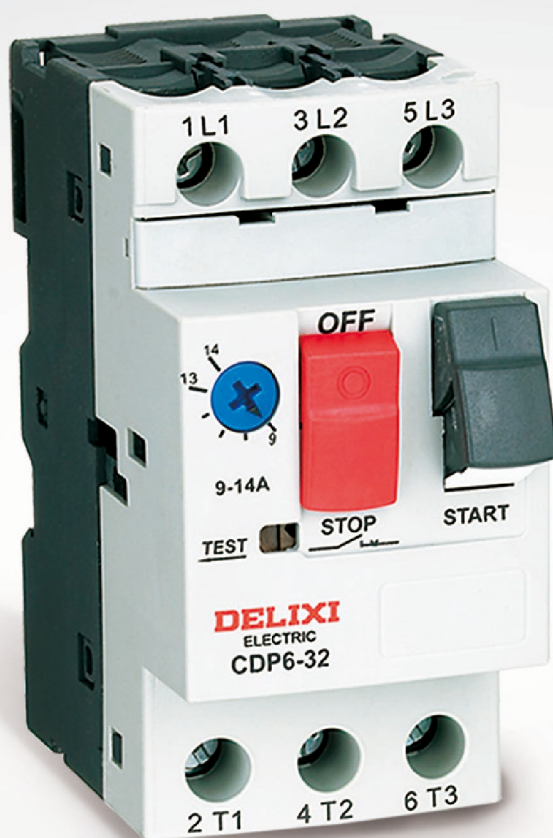
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Protection and Control

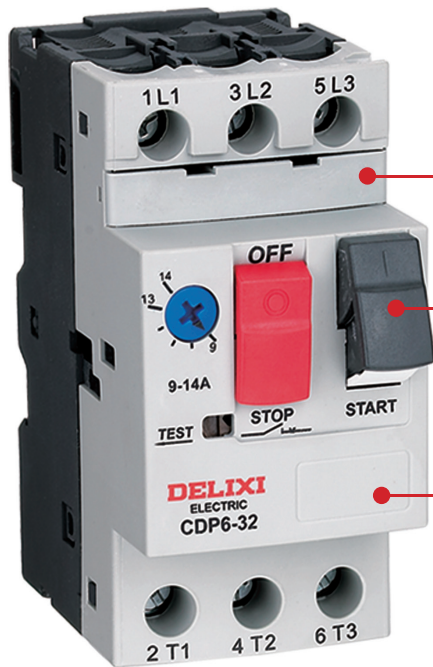
Functions

- Short circuit protection
- Thermal overload protection
- Open-phase protection
- Self isolate function
- Adjustable setting current
- Compact volume
- High breaking capacity



Compact industrial design

Overall structure calm atmosphere color matching seamless



Front auxiliary contact protection cover / Modular design



- Gently pry off to install the top auxiliary contact

Button / User-friendly design



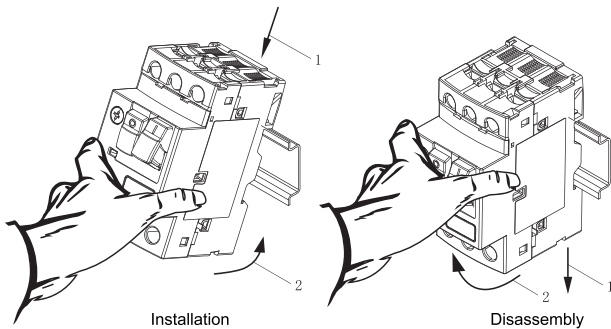
- Finger force uniform operation

Signage / Integrated design

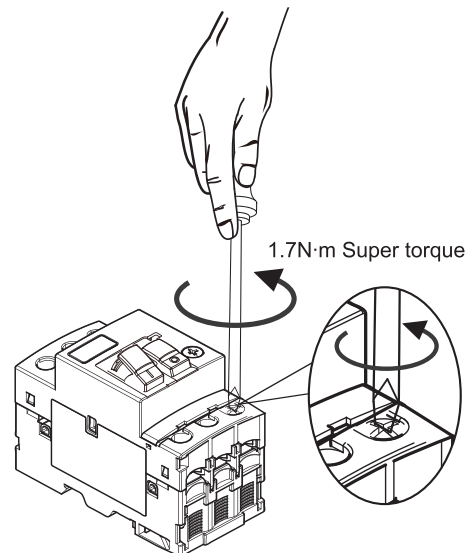


- No signage off the risk

Easy installation, Solid wiring



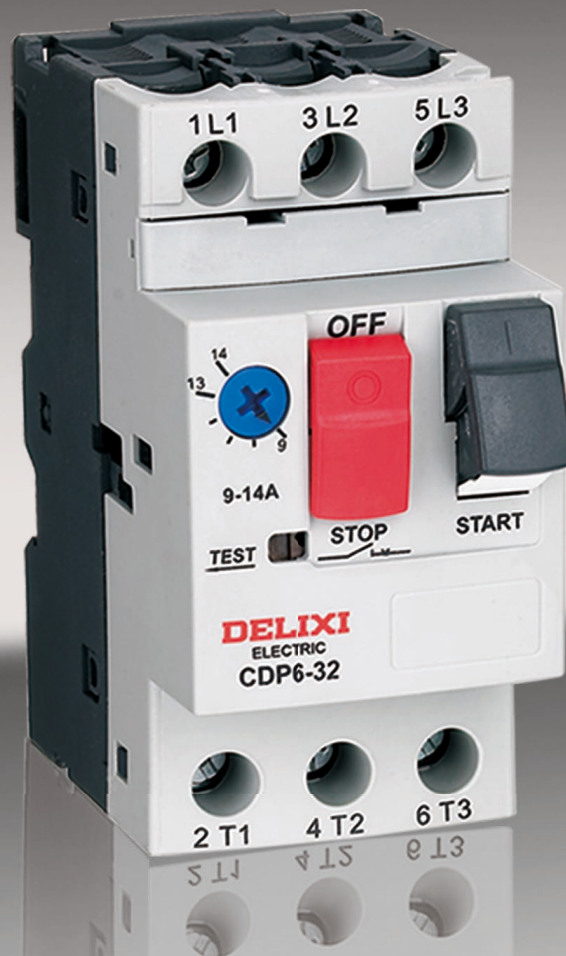
Install and disassemble
without tools



Main circuit 1.7N.m super torque,
more solid wiring

Note: 17N·m is Screw fastening torque can be fixed by hands as well as by pneumatic wrench and electric wrench.

CDP6 Motor Circuit Breaker



- 1 frame, 15 spec, range 0.1-32A
- Professional for motor control and protection circuit breaker
- Authority certificates

Low voltage electrical pragmatism work !

Environmental Requirements

- Ambient Temperature: -5°C-+40°C
- Altitude: <2000m
- Pollution Level: III
- No obvious shaking and shock vibration

Standard and Certificate

- Applicable Standard: IEC 60947-1
IEC 60947-2
IEC 60947-4-1
- Certificate Awarded: CE SEMKO



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CDP6 Motor Circuit Breaker



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6-7

CDP6 Motor Circuit Breaker

Standard: IEC 60947-1, IEC 60947-2, IEC 60947-4-1



Order Information		
Product Name	Frame Current	Setting Current
CDP6	32	P16
	↓	↓
	32:32A	P16:0.1-0.16A 32:24-32A P means decimal point

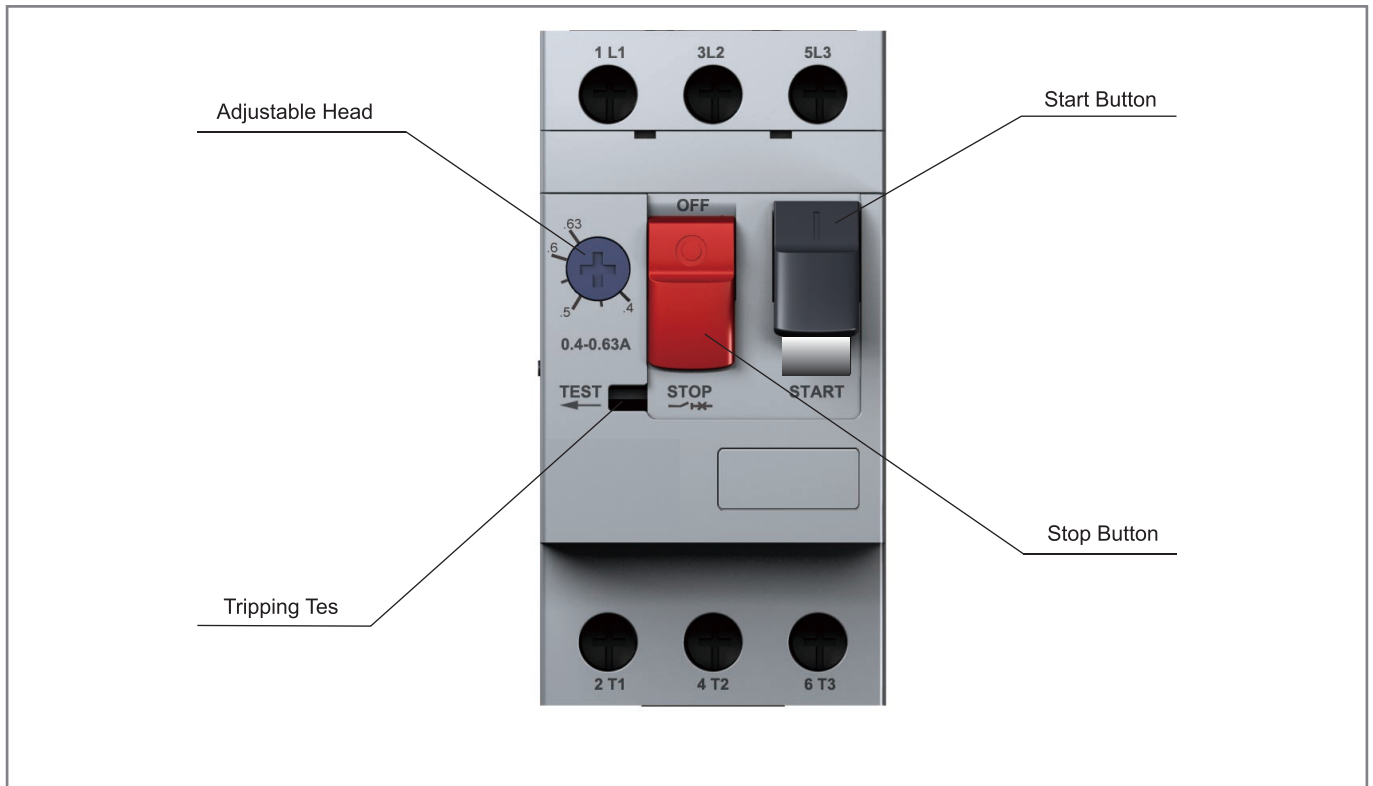
Thermal Release	Magnetic Release	400/415V,50/60Hz,AC-3	Recommended	Reference
Setting Current	Current Id	Rated Operating Power	Contactor	
0.1-0.16A	1.5A	-	CDC6-0911	CDP6 32 P16
0.16-0.25A	2.4A	0.06KW	CDC6-0911	CDP6 32 P25
0.25-0.4A	5A	0.09KW	CDC6-0911	CDP6 32 P4
0.4-0.63A	8A	0.12KW	CDC6-0911	CDP6 32 P63
0.63-1A	13A	0.25KW	CDC6-0911	CDP6 32 1
1-1.6A	22.5A	0.37KW	CDC6-0911	CDP6 32 1P6
1.6-2.5A	33.5A	0.75KW	CDC6-0911	CDP6 32 2P5
2.5-4A	51A	1.5KW	CDC6-0911	CDP6 32 4
4-6.3A	78A	2.2KW	CDC6-0911	CDP6 32 6P3
6-10A	138A	4KW	CDC6-0911	CDP6 32 10
9-14A	170A	5.5KW	CDC6-1211	CDP6 32 14
13-18A	223A	7.5KW	CDC6-1811	CDP6 32 18
17-23A	327A	9KW	CDC6-2511	CDP6 32 23
20-25A	327A	11KW	CDC6-2511	CDP6 32 25
24-32A	416A	15KW	CDC6-3211	CDP6 32 32

CDP6 Motor Circuit Breaker

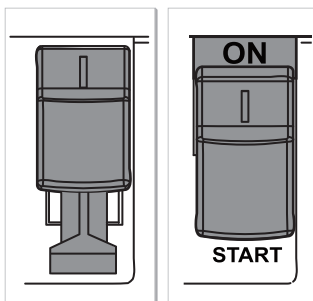
Standard: IEC 60947-1, IEC 60947-2, IEC 60947-4-1



Introduction for Functions

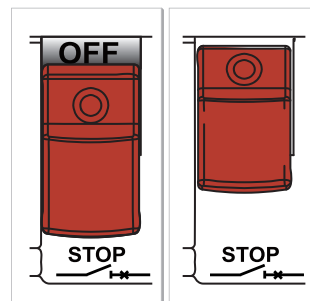


1.Start Button



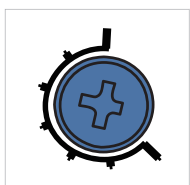
- Press to start CDP6
- After downward pull-out, lock the start button to stop the work

2.Stop Butto



- Press to stop CDP6

3.Adjustable Head



- Set the thermal trip current

4.Tripping Test



- Can simulate the tripping action, test product performance

CDP6 Motor Circuit Breaker

Standard: IEC 60947-1, IEC 60947-2, IEC 60947-4-1



Main Technical Parameter

Operation Mode	Button Operated
Frame Current	32A
Rated Impulse Withstand Voltage	6000V
Rated Operational Voltage	690V
Rated Isolation Voltage	690V
Rated Operational Frequency	50/60Hz
Trip class	10A
Fastening torque	1.7N • m
Mechanical Durabilities	100000
Electrical Durabilities AC-3 400V	100000
Overload Protection Category	Phase failure, Thermal Overload
Short circuit protection	Yes
Isolation Function	Yes
Temperature Compensation Function	Yes

Breaking Capacity

Setting Current	Ue:230/240V		Ue:400/415V		Ue:440V		Ue:500V		Ue:690V	
	Icu	Ics	Icu	Ics	Icu	Ics	Icu	Ics	Icu	Ics
0.1-0.16A	100KA	100KA	100KA	100KA	100KA	100KA	100KA	100KA	100KA	100KA
0.16-0.25A	100KA	100KA	100KA	100KA	100KA	100KA	100KA	100KA	100KA	100KA
0.25-0.4A	100KA	100KA	100KA	100KA	100KA	100KA	100KA	100KA	100KA	100KA
0.4-0.63A	100KA	100KA	100KA	100KA	100KA	100KA	100KA	100KA	100KA	100KA
0.63-1A	100KA	100KA	100KA	100KA	100KA	100KA	100KA	100KA	100KA	100KA
1-1.6A	100KA	100KA	100KA	100KA	100KA	100KA	100KA	100KA	100KA	100KA
1.6-2.5A	100KA	100KA	100KA	100KA	100KA	100KA	100KA	100KA	3KA	2.5KA
2.5-4A	100KA	100KA	100KA	100KA	100KA	100KA	100KA	100KA	3KA	2.5KA
4-6.3A	100KA	100KA	100KA	100KA	50KA	50KA	50KA	100KA	3KA	2.5KA
6-10A	100KA	100KA	100KA	100KA	15KA	15KA	10KA	50KA	3KA	2.5KA
9-14A	100KA	100KA	15KA	7.5KA	8KA	4KA	6KA	10KA	3KA	2.5KA
13-18A	100KA	100KA	15KA	7.5KA	8KA	4KA	6KA	4.5KA	3KA	2.5KA
17-23A	50KA	50KA	15KA	6KA	6KA	3KA	4KA	4.5KA	3KA	2.5KA
20-25A	50KA	50KA	15KA	6KA	6KA	3KA	4KA	3KA	3KA	2.5KA
24-32A	50KA	50KA	10KA	5KA	6KA	3KA	4KA	3KA	3KA	2.5KA

Remark: Icu Rated Ultimate Short-circuit Breaking Capacity
Ics Rated Service Short-circuit Breaking Capacity

CDP6 Motor Circuit Breaker

Standard: IEC 60947-1, IEC 60947-2, IEC 60947-4-1



Main Technical Parameter

Fuse Select gL/Gg (When the prospective short-circuit current is greater than the rated ultimate short-circuit breaking capacity Icu, need a spare fuse)

Setting Current	Ue:230/240V	Ue:400/415V	Ue:690
0.1-0.16A	-	-	-
0.16-0.25A	-	-	-
0.25-0.4A	-	-	-
0.4-0.63A	-	-	-
0.63-1A	-	-	-
1-1.6A	-	-	-
1.6-2.5A	-	-	20
2.5-4A	-	-	32
4-6.3A	-	-	40
6-10A	-	-	40
9-14A	-	80	50
13-18A	-	80	50
17-23A	100	100	50
20-25A	100	100	50
24-32A	100	100	50

*) "-" No need to use Fuse

3 Phase Motor Rated Power,50/60Hz,AC-3

Setting Current	Ue:230/240V	Ue:400/415V	Ue:690
0.1-0.16A	-	-	-
0.16-0.25A	-	0.06kw	-
0.25-0.4A	-	0.09kw	-
0.4-0.63A	-	0.12kw	0.37kw
0.63-1A	-	0.25kw	0.55kw
1-1.6A	-	0.37kw	1.1kw
1.6-2.5A	0.37kw	0.75kw	1.5kw
2.5-4A	0.75kw	1.5kw	3kw
4-6.3A	1.1kw	2.2kw	4kw
6-10A	2.2kw	4kw	7.5kw
9-14A	3kw	5.5kw	9kw
13-18A	4kw	7.5kw	11kw
17-23A	5.5kw	9kw	15kw
20-25A	5.5kw	11kw	18.5kw
24-32A	7.5kw	15kw	22kw

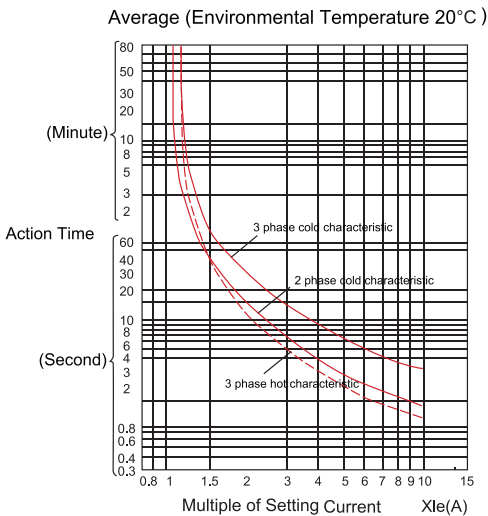
CDP6 Motor Circuit Breaker

Standard: IEC 60947-1, IEC 60947-2, IEC 60947-4-1



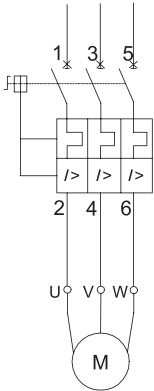
Operating Characteristics

No.	Multiple of Setting Current		Operating Time	Starting Conditions	Environmental Temperature
Operating Characteristics for Load Balance of the Phases					
1	1.05		Without operation within 2h	Cold State	+20° C
2	1.2		Operation within 2h	Hot State (After No.1 Test)	+20° C
3	1.5		Operation within 2min	Hot State (After No.1 Test)	+20° C
4	7.2		Operation at 2s<Tp ≤ 10s	Cold State	+20° C
Operating Characteristics for Phase Load Unbalance (Phase Failure)					
	Any 2-Phase	3 rd Phase			
1	1.0	0.9	Without operation within 2h	Cold State	+20° C
2	1.15	0	Operation within 2h	Hot State (After No.1 Test)	+20° C
The temperature compensation performance					
1	1.0		Without operation within 2h	Cold State	+40° C
2	1.2		Operation within 2h	Hot State (After No.1 Test)	+40° C
3	1.05		Without operation within 2h	Cold State	-5° C
4	1.3		Operation within 2h	Hot State (After No.3 Test)	-5° C



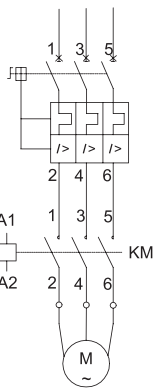
Wiring Diagram

CDP6 drive motor directly



Used for low operation frequency area

CDP6 use with CDC6



Used for high operation frequency area

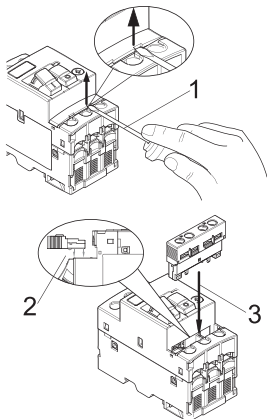
CDP6 Motor Circuit Breaker

Standard: IEC 60947-1, IEC 60947-2, IEC 60947-4-1



Accessories				
Name		Type	Spec.	Reference
Undervoltage Release		AU	110~127V	AU110
			220~240V	AU220
			380~400V	AU380
			415V	AU415
Shunt Release		AS	110~127V	AS110
			220~240V	AS220
			380~400V	AS380
			415V	AS415
Auxiliary Contact	Top	AE	2NO	AE20
			1NC+1NO	AE11
	Side	AN	2NO	AN20
			1NC+1NO	AN11
Waterproof Cover		CDP6-32MC	IP55	CDP632MC

Installation of AE11 or AE20



1. Pry the top auxiliary protective cover up;
2. Put the flat surface of the top auxiliary contact close to the circuit breaker;
3. Align the installation position and insert it.

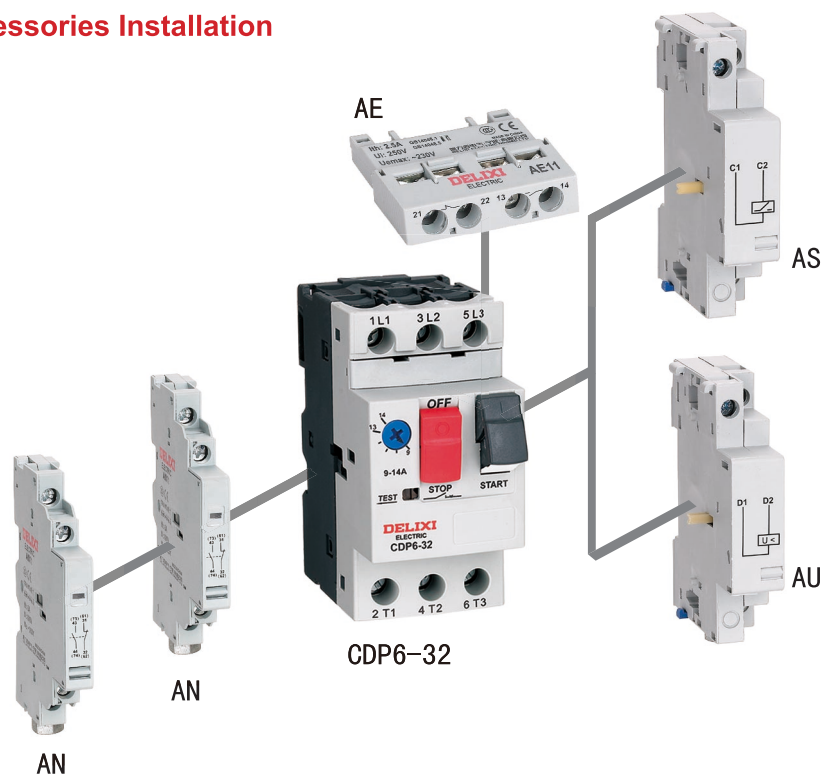
Parameters of instantaneous auxiliary contact					
Name	Rated Isolation Voltage UI	Applicable Cat.	Rated Operational Voltage	Rated Operational Current	Conventional Heating Current
Top Auxiliary Contact	250V	AC-15	24V	2A	2.5A
			48V	1.25A	2.5A
			110V	1A	2.5A
			230V	0.5A	2.5A
		DC-13	24V	1A	2.5A
			48V	0.3A	2.5A
Side Auxiliary Contact	690V	AC-15	48V	6A	6A
			110V	4.5A	6A
			230V	3.3A	6A
			380V	2.2A	6A
		DC-13	24V	6A	6A
			48V	5A	6A
			220V	0.5A	6A

CDP6 Motor Circuit Breaker

Standard: IEC 60947-1, IEC 60947-2, IEC 60947-4-1

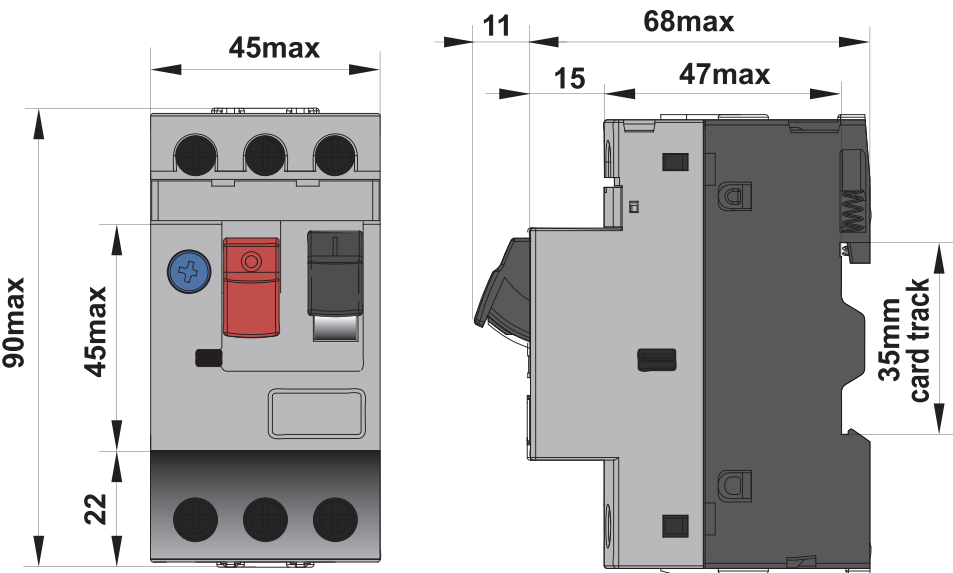


Accessories Installation



Type	Name	Installation Position	The largest installed Qty.
AE	Top Auxiliary Contact	Face-up	1
AN	Side Auxiliary Contact	Left Side	2
AU	Undervoltage Release	Right Side	1
AS	Shunt Release	Right Side	1

Overall Dimension for Installation



Memo

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Memo

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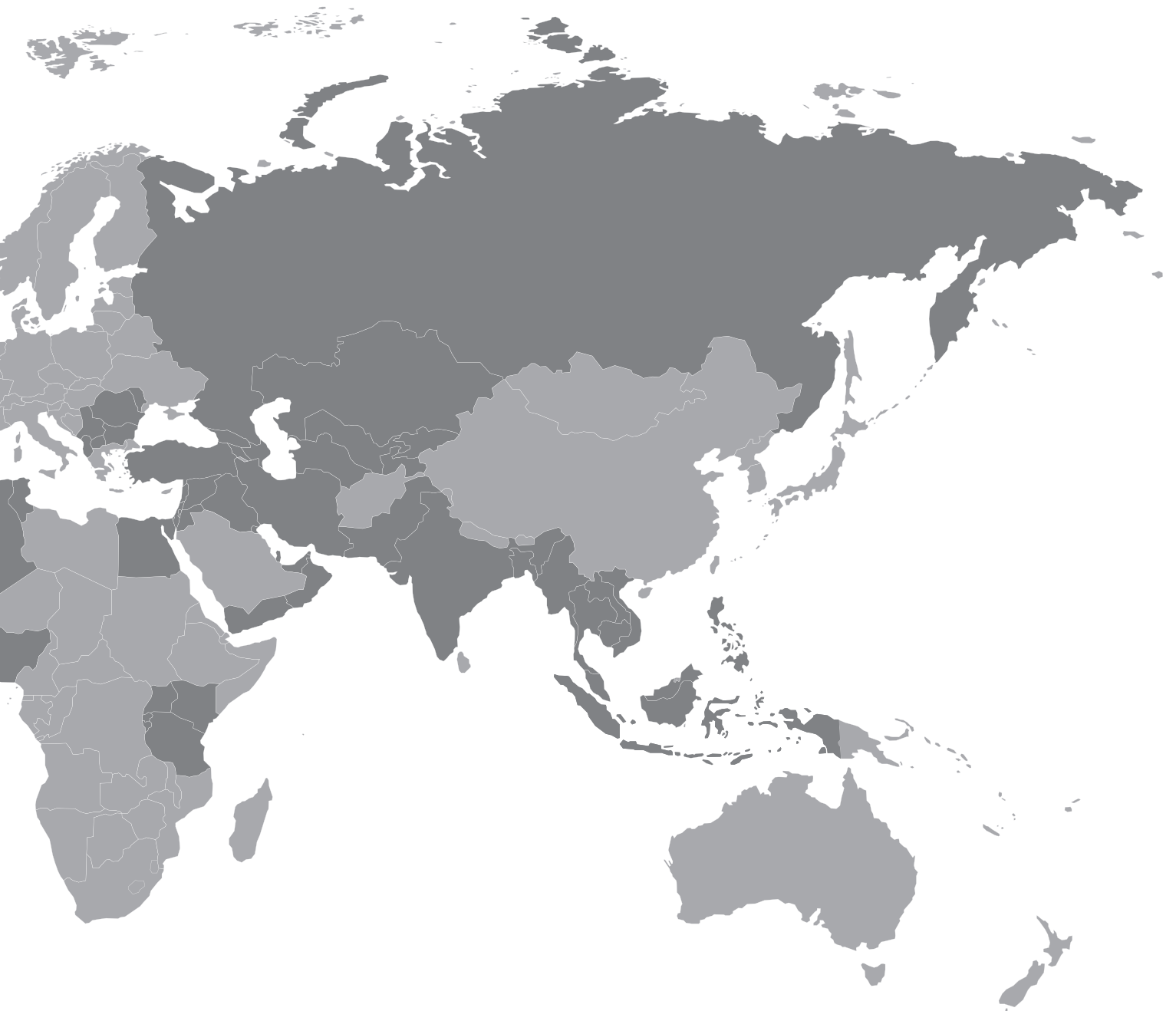
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A Company to Serve



e You Where You Are



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