

# Contactors

# AC motor contactor 3TF series

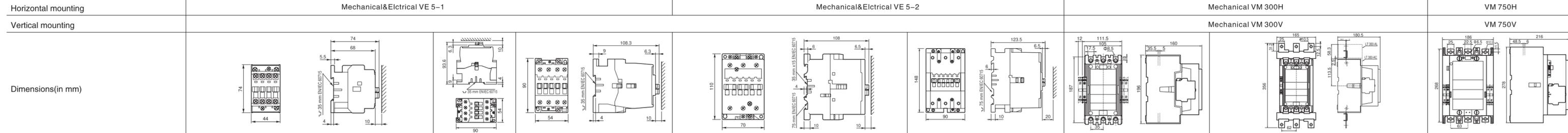
## Contactors Technical Data

### A/AF Contactor, 3P



Rated operational power AC-3,400V	4 kW	5.5kW	7.5 kW	11 kW	15 kW	18.5 kW	22 kW	30 kW	37 kW	45 kW	55 kW	75 kW	90 kW	110 kW	140 kW	160 kW	200 kW	250 kW			
<b>Type</b>	DAC9	DAC12	DAC16	DAC26	DAC30	DAC40	DAC50 DACF50	DAC63 DACF63	DAC75 DACF75	DAC95 DACF95	DAC110 DACF110	DAC145 DACF145	DAC185 DACF185	DAC210 DACF210	DAC260 DACF260	DAC300 DACF300	DACF400	DACF460			
Order code (Voltage in clear text)	DAC9-30-10	DAC12-30-10	DAC16-30-10	DAC26-30-10	DAC30-30-10	DAC40-30-10	DAC50-30-11	DAC63-30-11	DAC75-30-11	DAC95-30-11	DAC110-30-11	DAC145-30-11	DAC185-30-11	DAC210-30-11	DAC260-30-11	DAC300-30-11	DACF400-30-11	DACF460-30-11			
Rated operational current AC-3,400V	9	12	17	26	32	37	50	65	75	96	110	145	185	210	260	305	400	460			
415V	9	12	17	26	32	37	50	65	72	96	110	145	185	210	260	300	400	460			
690V	7	9	10	17	21	25	35	43	46	65	82	120	170	210	220	280	350	400			
Rated operational current AC-1,40°C	25	27	30	45	55	60	100	115	125	145	160	250	275	350	400	500	600	700			
<b>Coil power consumption (only use to A contactor)</b>	DAC9	DAC12	DAC16	DAC26	DAC30	DAC40	DAC50	DAC63	DAC75	DAC95	DAC110	DAC145	DAC185	DAC210	DAC260	DAC300					
50 Hz Pick-up VA		70			120			180		350		550		1350							
50 Hz Hold VA/W		8/2			12/3			18/5.5		22/6.5		35/11		60/16							
<b>Coil power consumption (only use to AF contactor)</b>							DACF50	DACF63	DACF75	DACF95	DACF110	DACF145	DACF185	DACF210	DACF260	DACF300	DACF400	DACF460			
50 Hz Pick-up VA/W							210	210	210	350	350	430	430	470	470	470	890	890			
DC							190	190	190	400	400	500	500	520	520	520	990	990			
50 Hz Hold VA/W							7/2.8	7/2.8	7/2.8	7/3.5	7/3.5	12/3.5	12/3.5	10/2.5	10/2.5	10/2.5	12/4	12/4			
DC							2.8	2.8	2.8	2	2	2	2	2	2	2	4	4			
Thermal overload relays	DTA 25 DU			DTA 25 DU, DTA 42 DU			DTA 75 DU			DTA 110 DU			DTA 200 DU			DTA 450 DU			DTA 900 DU		
<b>Auxiliary contact blocks for contactors</b>	1NO+1NC CAL 5-11										1NO+1NC CAL 18-11										
Side mounting	1NO+1NC CAL 5-11										1NO+1NC CAL 18-11										
Front mounting	1NO CA5-10, 1NC CA5-01																				
<b>Interlocks</b>	Mechanical&Electrical VE 5-1										Mechanical&Electrical VE 5-2										
Horizontal mounting	Mechanical VM 300H										VM 750H										
Vertical mounting	Mechanical VM 300V										VM 750V										

Side mounting	1NO+1NC CAL 5-11										1NO+1NC CAL 18-11							
Front mounting	1NO CA5-10, 1NC CA5-01																	
<b>Interlocks</b>	Mechanical&Electrical VE 5-1										Mechanical&Electrical VE 5-2							
Horizontal mounting	Mechanical VM 300H										VM 750H							
Vertical mounting	Mechanical VM 300V										VM 750V							



Dimensions(in mm)

### Product overview

The structure of DA Type's contactor is compact ;its volume is small;long performance life;Working stability and reliability ;installation is easy maintenance .Accessories of auxiliary contacts are plentiful , it meet the various different market needs .

It is mainly applied to control in motors ,electric line ,code wire ,bypass and lighting etc. of civilian and Industry .

The main technical data :  
Main Circuit Rating Current: 9 – 370 A  
Motor power: 4 – 200KW (400V,AC-3)

### Model Code

DA C - 30 - 10 220 – 230V 50Hz / 230 – 240V 60Hz

#### Coil Control voltage

DAC9 – DAC75:24V 50 / 60Hz, 48V 50 / 60Hz, 110V 50Hz / 110 – 120V 60Hz  
220 – 230V 50Hz / 230 – 240V 60Hz, 230 – 240V 50Hz / 240 – 260V 60Hz  
380 – 400V 50Hz / 400 – 415V 60Hz, 400 – 415V 50Hz / 415 – 440V 60Hz

DAC95 – DAC370:110V 50Hz / 100 – 120V 60Hz, 220 – 230V 50Hz / 230 – 240V 60Hz

#### Auxiliary Contacts Quantity

First:Normal Open quantity  
Second:Normal Colse quantity  
(9 – 40A 3TF series contactor , it's inner setting the auxiliary contacts of 1Normal Open or 1 Normal Colse

#### Main Contacts

30:3TF Normal Open

#### Rated Operational Current Ie

D...A:9, 12, 16, 26, 30, 40, 50, 63, 75, 95, 110, 145, 185, 205, 260, 300, 370

#### Model

D...A: AC Coil

### Order Reference

Type	Auxiliary Contact		Working Catagory		
	Normal Open(NO)	Normal Colse(NC)	AC-3 ≤ 55°C, 380V Power Rating(kW)	AC-1 ≤ 40°C Rated current(A)	AC-1 ≤ 40°C Rated current(A)
DAC9-30-10	1	0	4	9	22
DAC9-30-01	0	1			
DAC12-30-10	1	0	5.5	12	25
DAC12-30-01	0	1			
DAC16-30-10	1	0	7.5	16	27
DAC16-30-01	0	1			
DAC26-30-10	1	0	11	22	30
DAC26-30-01	0	1			
DAC30-30-10	1	0	15	30	45
DAC30-30-01	0	1			
DAC40-30-10	1	0	18.5	37	60
DAC40-30-01	0	1			
DAC50-30-11	1	1	22	50	100
DAC63-30-11	1	1	30	65	115
DAC75-30-11	1	1	37	75	125
DAC95-30-11	1	1	45	95	145
DAC110-30-11	1	1	55	110	150
DAC145-30-11	1	1	75	145	160
DAC185-30-11	1	1	90	185	250
DAC205-30-11	1	1	110	205	275
DAC260-30-11	1	1	140	260	350
DAC300-30-11	1	1	160	300	400
DAC370-30-11	1	1	200	370	50

### Coil voltage:DAC9 – DAC75

Voltage ...V – 50 Hz	Voltage ... V – 60 Hz
24	24
48	48
110	110 ... 120
220 ... 230	230 ... 240
230 ... 240	240 ... 260
380 ... 400	400 ... 415
400 ... 415	415 ... 440

### Coil voltage: DAC95 – DAC370

Voltage ...V – 50 Hz	Voltage ... V – 60 Hz
110	110 ... 120
220 ... 230	230 ... 240

## Thermal Overload Relay

### Product overview

DTA series Thermal Overload Relay have thermal overload protection and lack – phase protection of motor , manual or automatic reset function and temperature compensation function. It's inner setting the auxiliary contacts of 1 Normal Open or 1 Normal Close , it can be used by installing independently or hanging in the lower contactor.

It is mainly applied to motor's thermal relay overload protection and lack-phase protection .

The main technical data :

Main Circuit Rating Current: 0.1 – 850 A

### Model Code

DTA 25 – DU – 11

Setting current range	DTA25DU : 0.16,0.25,0.4,0.63,1.0,1.4,1.8,2.4,3.1,4.0,5.0,6.5,8.5,11,14,19,25,32
	DTA42DU : 25,32,42
	DTA75DU : 25,32,42,52,63,80
	DTA110DU : 90,110
	DTA200DU : 90,110,135,150,175,200
	DTA450DU : 185,235,315
	DTA450SU : 60,80,105,140,185,235,310
	DT900DU : 375,500,650,850
	DT900SU : 375,500,650,850
Trip Grade	DU : Common supported (10A) SU : Heavy Load (30)
Rated Operational Current I <sub>e</sub>	DTA : 25,42,75,110,200,450
Thermal Overload Relay Type	DTA

### Optional Table

Type	Current Setting Rating (A)	Equipped with contactor type		Equipped with independent installation accessories models			
DTA 25 DU 0.16	0.1 ... 0.16	A 9 – A 40	A 9D – A 40D	DB 25 / 25A			
DTA 25 DU 0.25	0.16 ... 0.25						
DTA 25 DU 0.4	0.25 ... 0.4						
DTA 25 DU 0.63	0.4 ... 0.63						
DTA 25 DU 1.0	0.63 ... 1.0						
DTA 25 DU 1.4	1.0 ... 1.4						
DTA 25 DU 1.8	1.3 ... 1.8						
DTA 25 DU 2.4	1.7 ... 2.4						
DTA 25 DU 3.1	2.2 ... 3.1						
DTA 25 DU 4.0	2.8 ... 4.0						
DTA 25 DU 5.0	3.5 ... 5.0						
DTA 25 DU 6.5	4.5 ... 6.5						
DTA 25 DU 8.5	6.0 ... 8.5						
DTA 25 DU 11	7.5 ... 11						
DTA 25 DU 14	10 ... 14						
DTA 25 DU 19	13 ... 19						
DTA 25 DU 25	18 ... 25						
DTA 25 DU 32	24 ... 32				DB 25 / 32A		
DTA 42 DU 25	18 ... 25				A 30 – A40	A40D	DB 80
DTA 42 DU 32	22 ... 32						
DTA 42 DU 42	29 ... 42						
DTA 75 DU 15	18 ... 25	A 50 – A 75	A 50D – A 75D	DB 80			
DTA 75 DU 32	22 ... 32						
DTA 75 DU 42	29 ... 42						
DTA 75 DU 52	36 ... 52						
DTA 75 DU 63	45 ... 63						
DTA 75 DU 80	60 ... 80						
DTA 110 DU 90	65 ... 90	A 95 – A 110	A 95D – A 145D	DB 200			
DTA 110 DU 110	80 ... 110						
DTA 200 DU 90	65 ... 90	A 145 – A 185	A 145D	DB 200 (A 145D required)			
DTA 200 DU 110	80 ... 110						
DTA 200 DU 135	100 ... 135						
DTA 200 DU 150	110 ... 150						
DTA 200 DU 175	130 ... 175						
DTA 200 DU 200	150 ... 200						
DTA 450 DU 185	130 ... 185	A 210 – A 300	–				
DTA 450 DU 235	165 ... 235						
DTA 450 DU 310	220 ... 310						

## Contact us



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# Contactor Thermal Overload Relays



## Accessories for Contactors

### Auxiliary Contact Blocks

Types	Applicable to contact type
1Pole	
CA5-10 CA5-01	A9-A110,AF50-AF110
2Pole	
CA6-11E CA6-11M CA6-11N	B6-40-00,BC6-40-00 B6-30-10,BC6-30-10 B6-30-01,BC6-40-01
CAF6-11E CAF6-20E CAF6-02E	B(C)7-,B(C)6-40-00
CAF6-11M CAF6-20M CAF6-02M	B(C)7-,B(C)6-30-10
CAF6-11N CAF6-20N CAF6-02N	B(C)7-,B(C)6-30-01
CAL5-11 CAL18-11	A9-A(F)75 A(F)95-AF 2050



CA5-10



CA5-22E



N31E



VE5-1



VE5-2

### Mechanical&Electrical Interlock

Types	Applicable to contact type	
Mechanical&Electrical Interlock-Horizontal mounting	Left	Right
	VE5-1 VE5-2	N,A9-40 A45-110