

- Categorias de utilização: AC-1, AC-3 e AC-4
- De acordo com as normas IEC 60947-4-1, IEC60947-5-1 e EN 60947-4-1
- Bobinas para CA e CC
- Classes of service: AC-1, AC-3 and AC-4
- According to IEC 60947-4-1, IEC60947-5-1 and EN 60947-4-1
- AC and DC coils

Código de compra / How to order

CT9-H5-311

Modelos / Models

CT9, CT12, CT22, CT32, CT40, CT50, CT65, CT85, CT100, CT125, CT150, CT180, CT220, CT330, CT400, CT630 ou / or CT800.

Contatos auxiliares / Auxiliary contacts

11 - 1NA+1NF / 1NO+1NC
22 - 2NA+2NF / NO+2NC

00 - Não incluso / Not included (para CT800 / for CT800)

Tensão da bobina / Coil voltage

B - 24V **L** - 380V
C - 48V **O** - 440V
D - 42V **P** - 480V
E - 110V **EH** - 110/220V (para CT100 a CT220 e CT800 for CT100 to CT220 and CT800)
H - 220/240V

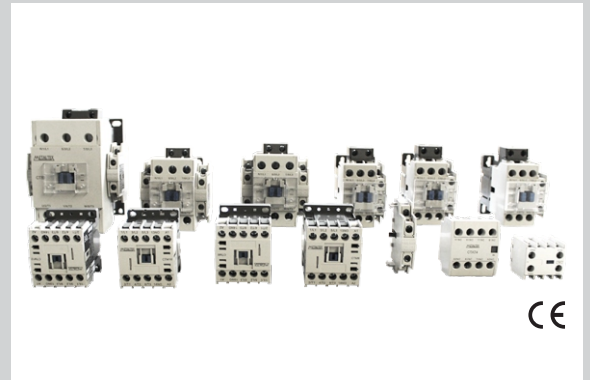
Frequência da tensão da bobina

Frequency of coil voltage

0 - CC / DC (até CT40 / up to CT40)

5 - 50 / 60 Hz

W - CC / DC e / and 50 / 60 Hz (para CT100 até CT220 e CT800 / for CT100 to CT220 and CT800)



Características dos contatos / Contacts characteristics

Modelo / Models		CT9 CT12 CT22	CT32 CT40	CT50 CT65 CT85	CT100 CT125 CT150 CT180 CT220	CT330	CT400 CT500	CT630	CT800
Arranjo dos contatos Contacts arrangement	Principal / Main	3NA / NO							
	Auxiliar / Auxiliary	1NA / NO + 1NF / NC	2NA / NO + 2NF / NC						—
Vida elétrica / Electrical life (Oper.)		25 x 10 ⁶	15 x 10 ⁶	10 x 10 ⁶	5 x 10 ⁶ 1 x 10 ⁶	3 x 10 ⁶	1 x 10 ⁶	2 x 10 ⁶	2 x 10 ⁶
Vida mecânica / Mechanical life (Oper.)		2,5 x 10 ⁶	2 x 10 ⁶	2 x 10 ⁶		0,5 x 10 ⁶	0,3 x 10 ⁶	0,2 x 10 ⁶	0,2 x 10 ⁶
Ciclo de operações / Operation cycles (AC3) (Oper./h)		1800	1800	1200	1200	600	600	600	600
Tensão de isolamento dos contatos principais Insulation voltage of main contacts - IEC		690V							
Tensão de operação nominal dos contatos principais Rated operation voltage of main contacts - IEC		690V	1000V						
Grau de proteção / Protection degree		IP20							
Temperatura de armazenamento Storage temperature - IEC		-40 ~ 70°C							
Temperatura de operação / Operating temperature		-20 ~ 55°C							
Umidade relativa / Relative humidity		45 ~ 85% (sem condensação / non dew)							
Posição de operação / Operating position		±30°							

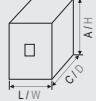
Características da bobina / Coil characteristics

Modelo / Model			CT9 a / to CT22	CT32 a / to CT40	CT50 a / to CT85	CT100 a / to CT220	CT330 a / to CT400	CT500 a / to CT630	CT800
Tensão de acionamento min. Pick-up voltage min.			70% Vn	70% Vn	70% Vn	70% Vn	70% Vn	70% Vn	70% Vn
Consumo Consumption	CA / AC	Partida / Inrush (VA)	95	95	220	380	571	1000	-
		Acionada / Sealed (VA)	9	9	17	11,6	14	29	-
	CC / DC	Partida / Inrush (W)	7	9	-	-	-	-	-
		Acionada / Sealed (W)	7	9	-	-	-	-	-
	CA / CC AC / DC	Partida / Inrush (W)	-	-	-	1320	-	-	450
		Acionada / Sealed (W)	-	-	-	176	-	-	25

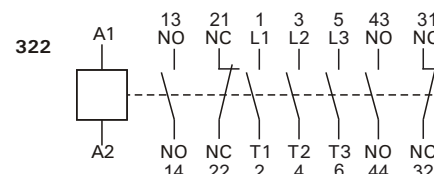
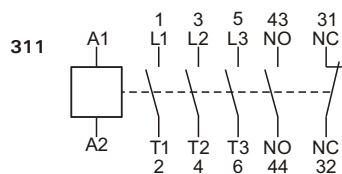
Especificações / Specifications

Modelo Model	AC1 (IEC) Ith (A)	Tensão VCA / VAC 3Ø	Capacidade / Capacity AC3			Tamanho / Size (mm) (L x A x C) / (W x H x D)			Aparência Appearance
			Ie (A)	P (KW)	P (HP)	CA / AC	CC / DC	CA / CC / AC / DC	
CT9	25	200 / 240	11	2,5	3	44 x 80 x 86,8	44 x 80 x 118	—	
		380 / 440	9	4	5				
		500 / 550	7	4	5				
		690	6	4	5				
CT12	25	200 / 240	13	3,5	4,5	44 x 80 x 86,8	44 x 80 x 118	—	
		380 / 440	12	5,5	7				
		500 / 550	12	7,5	10				
		690	9	7,5	10				
CT22	40	200 / 240	22	5,5	7	44 x 80 x 86,8	44 x 80 x 118	—	
		380 / 440	22	11	14,5				
		500 / 550	20	15	20				
		690	18	15	20				
CT32	50	200 / 240	32	7,5	10	68 x 82 x 94,5	68 x 82 x 120	—	
		380 / 440	32	15	20				
		500 / 550	28	18,5	24,5				
		690	20	18,5	24,5				
CT40	60	200 / 240	40	11	14,5	68 x 82 x 94,5	68 x 82 x 120	—	
		380 / 440	40	18,5	24,5				
		500 / 550	32	22	29,5				
		690	23	22	29,5				
CT50	80	200 / 240	55	15	20	94 x 123,5 x 117,4	—	—	
		380 / 440	50	22	29,5				
		500 / 550	43	30	40				
		690	28	30	40				
CT65	100	200 / 240	65	18,5	24,5	94 x 123,5 x 117,4	—	—	
		380 / 440	65	30	40				
		500 / 550	60	33	44				
		690	35	33	44				
CT85	135	200 / 240	85	25	33,5	94 x 123,5 x 117,4	—	—	
		380 / 440	85	45	60				
		500 / 550	75	45	60				
		690	45	45	60				
CT100	150	200 / 240	105	30	40	100 x 165 x 157	—	100 x 165 x 157	
		380 / 440	105	55	73,5				
		500 / 550	85	55	73,5				
		690	65	55	73,5				
CT125	150	200 / 240	125	37	49,6	100 x 165 x 157	—	100 x 165 x 157	
		380 / 440	120	60	80				
		500 / 550	90	60	80				
		690	70	60	80				
CT150	200	200 / 240	150	45	60	120 x 175,8 x 157	—	120 x 175,8 x 157	
		380 / 440	150	75	100,5				
		500 / 550	140	90	120,5				
		690	100	90	120,5				
CT180	230	200 / 240	180	55	73,5	138 x 203 x 181	—	138 x 203 x 181	
		380 / 440	180	90	120,5				
		500 / 550	180	110	147,5				
		690	120	110	147,5				
CT220	260	200 / 240	250	75	100,5	138 x 203 x 181	—	138 x 203 x 181	
		380 / 440	250	132	177				
		500 / 550	200	132	177				
		690	150	132	177				
CT330	400	200 / 240	330	100	134	213 x 206 x 219	—	—	
		380 / 440	330	200	268				
		500 / 550	310	200	268				
		690	200	200	268				
CT400	500	200 / 240	400	110	147,5	213 x 206 x 219	—	—	
		380 / 440	400	250	335				
		500 / 550	400	257	344,5				
		690	305	280	357				
CT500	700	200 / 240	500	147	197	233 x 238 x 232	—	—	
		380 / 440	500	295	395,5				
		500 / 550	450	355	476				
		690	355	335	449				

Especificações / Specifications

Modelo Model	AC1 (IEC) Ith (A)	Tensão VCA / VAC 3Ø	Capacidade / Capacity AC3			Tamanho / Size (mm) (L x A x C) / (W x H x D)		Aparência Appearance
			Ie (A)	P (KW)	P (HP)			
CT630	1000	200 / 240	630	200	268	309 x 304 x 255	—	
		380 / 440	630	400	536			
		500 / 550	600	400	536			
		690	460	450	603			
CT800	1600	200 / 240	800	220	295	—	—	
		380 / 440	800	450	603			
		500 / 550	650	450	603			
		690	500	475	636			

Arranjos de contatos / Contact arrangements



Blocos de contatos auxiliares / Auxiliary contact blocks

Tensão de isolamento / Rated insulation voltage (Ui) IEC(V)			600
Tensão de operação nominal / Rated operational voltage (Ue) IEC(V)			600
Corrente térmica / Thermal current (Ith) (A)			16
Corrente de operação nominal Rated operational current (A) IEC 60947-5-1	AC-15	120V	6
		240V	3
		380V	1,9
		480V	1,5
		500V	1,4
		600V	1,2
	DC-13	125V	1,1
		250V	0,55

Tipo / Type	Arranjos dos contatos / Contact arrangements		Montagem / Mounting	Uso com Suitable for	Tamanho / Size (mm) (L x A x C) / (W x H x D)								
CTAL1-11	1NA+1NF / 1NO+1NC		Lateral / Side	CT9 ~ CT85	12 x 62,5 x 53								
CTAT2- □ □	<table><tr><td>1 1</td><td>:1NA+1NF / 1NO+1NC</td></tr><tr><td>2 0</td><td>: 2NA / 2NO</td></tr></table>	1 1	:1NA+1NF / 1NO+1NC	2 0	: 2NA / 2NO	<table><tr><td>0 2</td><td>:2NF / 2NC</td></tr></table>	0 2	:2NF / 2NC	Frontal / Top	CT9 ~ CT85	23 x 48 x 37		
	1 1	:1NA+1NF / 1NO+1NC											
2 0	: 2NA / 2NO												
0 2	:2NF / 2NC												
CTAT4- □ □	<table><tr><td>2 2</td><td>: 2NA+2NF / 2NO+2NC</td></tr><tr><td>3 1</td><td>: 3NA+1NF / 3NO+1NC</td></tr></table>	2 2	: 2NA+2NF / 2NO+2NC	3 1	: 3NA+1NF / 3NO+1NC	<table><tr><td>0 4</td><td>: 4NF / 4NC</td></tr><tr><td>4 0</td><td>: 4NA / 4NO</td></tr></table>	0 4	: 4NF / 4NC	4 0	: 4NA / 4NO	Frontal / Top	CT9 ~ CT85	45 x 48 x 37
	2 2	: 2NA+2NF / 2NO+2NC											
3 1	: 3NA+1NF / 3NO+1NC												
0 4	: 4NF / 4NC												
4 0	: 4NA / 4NO												

Acessórios / Accessories

Bobinas / Coils



CTB9-B5

Uso com / Suitable for
9 - CT9 a/to CT40
50 - CT50 a / to 85

Tensão de bobina
Coil voltage

B - 24V H - 220/240V
C - 48V L - 380V
D - 42V O - 440V
E - 110V

Frequência da tensão
Voltage frequency

5 - 50/60Hz
0 - CC (somente para CTB9/24V)
DC (only for CTB9/24V)



CTB100-B5

Uso com / Suitable for
150 - CT100 a / to 150
220 - CT180 a / to 220
330 - CT330
400 - CT400
500 - CT500
630 - CT630
800 - CT800

Tensão de bobina / Coil voltage

B5 - 24VCA / VAC
E5 - 110VCA / VAC
H5 - 220/240VCA / VAC
L5 - 380VCA / VAC
O5 - 440VCA / VAC
BW - 24VCA/VCC / VAC/VDC (para CT100 até CT220 / for CT100 to CT220)
EHW - 110/220VCA/VCC / VAC/VDC (para CT800 / for CT800)

Acessórios / Accessories

Intertravamento mecânico Mechanical interlock



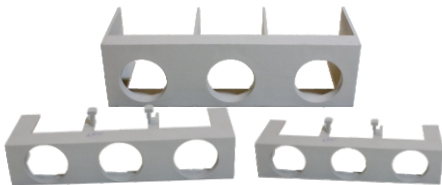
Modelo Model	Uso com Suitable for	Tamanho / Size (mm) (L x A x C) / (W x H x D)
CTI-9/85	CT9 ~ CT85	14,5 x 51 x 47,5
CTI-100/150	CT100 ~ CT150	49 x 60,5 x 85
CTI-180/220	CT180 ~ CT220	49 x 60,5 x 85
CTI-330	CT330 ~ CT400	—
CTI-630	CT500 ~ CT630	—



Supressor / Surge suppressor

Modelo / Model	CSS-3B	CSS-3E	CSS-3H
Tipo / Type	Varistor sem LED without LED		
Tensão / Voltage	24VCA / VAC	110VCA / VAC	200-240VCA / VAC
Tamanho / Size (mm) (L x A x C) / (W x H x D)	12 x 28 x 26	12 x 28 x 26	12 x 28 x 26

Capa para terminal / Terminal cover



Modelo Model	Uso com Suitable for	Tamanho / Size (mm) (L x A x C) / (W x H x D)
CT-CAP100	CT100	14,5 x 51 x 47,5
CT-CAP150	CT150	49 x 60,5 x 85
CT-CAP180	CT180	49 x 60,5 x 85

Blocos de contato para manobra de capacitor / Contacts block for capacitor maneuver



Para CT9 a CT40
For CT9 to CT40
CTC-9



Para CT50 a CT85
For CT50 to CT85
CTC-50

Contator + Contato para manobra de capacitor Contactor + Contact for capacitor maneuver	Corrente nominal Rated current (In) (A)	Capacidade / Capacity (kVar)			Tamanho / Size (mm) (L x A x C) / (W x H x D)
		220-240	400-440	550-600	
CT9 + CTC9	14	5	9,7	14	56 x 140 x 122,5
CT12 + CTC9	18	6,5	12,5	18	
CT22 + CTC9	26	10	18	26	
CT32 + CTC9	36	15	25	36	68 x 140 x 130
CT40 + CTC9	48	20	33	48	
CT50 + CTC50	58	22	40	58	
CT65 + CTC50	66	25	45,7	66	94 x 170 x 67
CT85 + CTC50	92	35	60	92	



RT22



RT40



RT85



RT100



RT150



RT220

Especificações / Specifications

Modelo / Model	RT22	RT40	RT85	RT100	RT150	RT220
Dimensões (L x A x C) / Dimensions (W x H x D) (mm)	44 X 63 X 88,5	53 X 70,5 X 95,5	70 X 81,5 X 101,5	103 X 67 X 105	112 X 89 X 105	152 X 141 X 175
Tensão de isolamento nominal / Insulation voltage (Ui)	IEC 690V					
Faixa de corrente / Current set range	Veja tabela abaixo / See table below					
Funções / Functions	Compensação da temperatura / Temperature compensation Função de teste / Test (STOP) function					
Modo de reset / Reset mode	Automático, manual / Automatic, manual					
Contatos / Contacts	1NA+1NF / 1NO+1NC					
Faixa de compensação da temperatura / Temperature compensation range	-5 ~ 40 °C					
Classe de disparo / Trip class	10A					

Modelo / Models	Faixa de corrente / Current range (A)	Uso com / Suitable for
RT22-1A	0,63 - 1	CT9, CT12, CT22
RT22-1.6A	1 - 1,6	CT9, CT12, CT22
RT22-2.5A	1,6 - 2,5	CT9, CT12, CT22
RT22-4A	2,5 - 4	CT9, CT12, CT22
RT22-6A	4 - 6	CT9, CT12, CT22
RT22-9A	6 - 9	CT9, CT12, CT22
RT22-10A	7 - 10	CT9, CT12, CT22
RT22-13A	9 - 13	CT9, CT12, CT22
RT22-18A	12 - 18	CT9, CT12, CT22
RT22-22A	16 - 22	CT9, CT12, CT22
RT40-22A	16 - 22	CT32, CT40
RT40-26A	18 - 26	CT32, CT40
RT40-36A	24 - 36	CT32, CT40
RT40-40A	28 - 40	CT32, CT40
RT85-40A	28 - 40	CT50, CT65, CT85
RT85-50A	34 - 50	CT50, CT65, CT85
RT85-65A	45 - 65	CT50, CT65, CT85
RT85-75A	54 - 75	CT50, CT65, CT85
RT85-85A	63 - 85	CT50, CT65, CT85
RT100-65A	43 - 65	CT100, CT125
RT100-80A	54 - 80	CT100, CT125
RT100-100A	65 - 100	CT100, CT125
RT100-125A	85 - 125	CT100, CT125
RT150-100A	65 - 100	CT150
RT150-125A	85 - 125	CT150
RT150-150A	100 - 150	CT150
RT220-160A	100 - 160	CT180, CT220
RT220-180A	120 - 180	CT180, CT220
RT220-240A	160 - 240	CT180, CT220

Acessórios para montagem em trilho DIN / DIN rail assembly accessories

