

Contactors & Accessories



3 Pole Contactors with AC operating coils

Characteristics

General Characteristics

Switching Current			9A ~ 40A
Rated insulation voltage (Ui)	(Conforming to IEC 158-1)	V	750
	IEC 60947-4	V	1000
Conforming to standards			NFC63-110, VDE0660, BS5424, JEM1038 & IEC60947-4
Degree of Protection	Conforming to VDE 0106		Protection against direct finger contacts
Protective treatment	Standard version		"TH"
Ambient air temperature (around the device)	Storage	°C	-60 to +80
	Operation	°C	-5 to +55 (0.8 to 1.1 Uc)
	Permissible	°C	-40 to +70, for operation at Uc
Maximum operating altitude	Without derating	Mtr.	3000
Operating Position	Without derating		+30° possible, in relation to normal vertical mounting plane

Pole Characteristics

Rated current (Ie)	In AC-3 @ < 55°C	A	9	12	18	25	32	38	40
Number of poles									
Power + Auxiliary			3+1	3+1	3+1	3+1	3+1	3+1	3+2
Rated operating Voltage	Upto	V	690	690	690	690	690	690	690
Frequency limits	Of the operational current	Hz	25-400	25-400	25-400	25-400	25-400	25-400	25-400
Rated thermal current (Ith)	θ < 40°C	A	25	25	32	45	50	50	60
Rated making capacity	Irms conforming to IEC-947-4	A	250	250	300	450	550	550	800
Rated breaking capacity	Irms conforming to 220-440V	A	250	250	300	450	550	550	800
	IEC-947-4 500V	A	175	175	250	400	450	450	800
	660-690V	A	85	85	120	180	180	180	400
Average impedance per pole	At Ith and 50Hz	Milli Ω	2.5	2.5	2.5	2.5	2	2	1.5
Power dissipation per pole for the above operational currents	AC-3	W	0.2	0.36	0.8	1.25	2	2	2.4

Control Circuit Characteristics

Switching Current		A	9A ~ 18A	25A ~ 38A	40A
Rated control circuit voltage (Uc)	50/60 Hz	V		12 to 660	
Control voltage	Operational			0.8 - 1.1 Uc	
limits (θ < 55°C)	50/60Hz Coil			0.3 - 0.6 Uc	
Average consumption at 20°C and at Uc 50/60 Hz Coil	Inrush	VA	70	100	245
		COS φ	0.75	0.75	0.75
	Sealed	VA	8	8.5	26
		COS φ	0.3	0.3	0.3
Average operating time at Uc	Closing time "C"	msec	12-22	15-24	20-26
	Opening time "O"	msec	04-12	05-19	8-12
Mechanical life Uc (mechanical durability) in millions of operating cycles	50/60 Hz Coil		15	12	6
Maximum operating rate	In operating cycle/hour		3600	3600	3600

Integral Auxiliary Contact Characteristics

Switching Current		A	9A ~ 40A
Rated thermal current (Ith)	θ < 55°C	A	10
Rated operational voltage (Ue)	Upto	V	660

3 Pole Contactors with DC operating coils

Characteristics

General Characteristics

Switching Current			9A ~ 40A
Rated insulation voltage (Ui)	(Conforming to IEC 158-1)	V	750
	IEC 60947-4	V	1000
Conforming to standards			NFC63-110, VDE0660, BS5424, JEM1038 & IEC60947-4
Degree of Protection	Conforming to VDE 0106		Protection against direct finger contacts
Protective treatment	Standard version		"TH"
Ambient air temperature (around the device)	Storage	°C	-60 to +80
	Operation	°C	-5 to +55 (0.8 to 1.1Uc)
	Permissible	°C	-40 to +70, for operation at Uc
Maximum operating altitude	Without derating	Mtr.	3000
Operating Position	Without derating		+30° possible, in relation to normal vertical mounting plane

Pole Characteristics

Rated current (Ie)	In AC-3 $\theta < 55^{\circ}\text{C}$	A	9	12	18	25	32	38	40
Number of poles									
Power + Auxiliary			3 + 1	3 + 1	3+1	3 + 1	3+1	3+1	3 + 2
Rated operating Voltage (Ue) Upto		V	690	690	690	690	690	690	690
Frequency limits	Of the operational current	Hz	25-400	25-400	25-400	25-400	25-400	25-400	25-400
Rated thermal current (Ith) $\theta < 40^{\circ}\text{C}$		A	25	25	32	45	50	50	60
Rated making capacity	Irms conforming to IEC-947-4	A	250	250	300	450	550	550	800
Rated breaking capacity	Irms conforming to 220-440V	A	250	250	300	450	550	550	800
	IEC-947-4 500V	A	175	175	250	400	450	450	800
	660-690V	A	85	85	120	180	180	180	400
Average impedance per pole	At Ith and 50Hz	Milli Ω	2.5	2.5	2.5	2	2	2	1.5
Power dissipation per pole for AC-3 the above operational currents		W	0.2	0.36	0.8	1.25	2	2	2.4

Control Circuit Characteristics

Switching Current		A	9A ~ 18A	25A ~ 38A	40A
Rated control circuit voltage (Uc)	DC	V	12 to 660	12 to 660	12 to 660
Control voltage limits ($\theta < 55^{\circ}\text{C}$)	Operational		0.8 - 1.1 Uc	0.85 - 1.1 Uc	0.85 - 1.1 Uc
	Drop out		0.1 - 0.25 Uc	0.1 - 0.3 Uc	0.1 - 0.3 Uc
Average consumption at 20°C and at Uc	Inrush	W	9	11	22
	Sealed	W	9	11	22
Average operating time at Uc	Closing time "C"	msec	40-48	52-64	85-110
	Opening time "O"	msec	6-14	8-14	20-35
Mechanical life Uc (mechanical durability)	In millions of operating cycles		30	25	20
Maximum operating rate (at ambient temp. of $\theta < 55^{\circ}\text{C}$)	In operating cycle/hour		3600	3600	3600

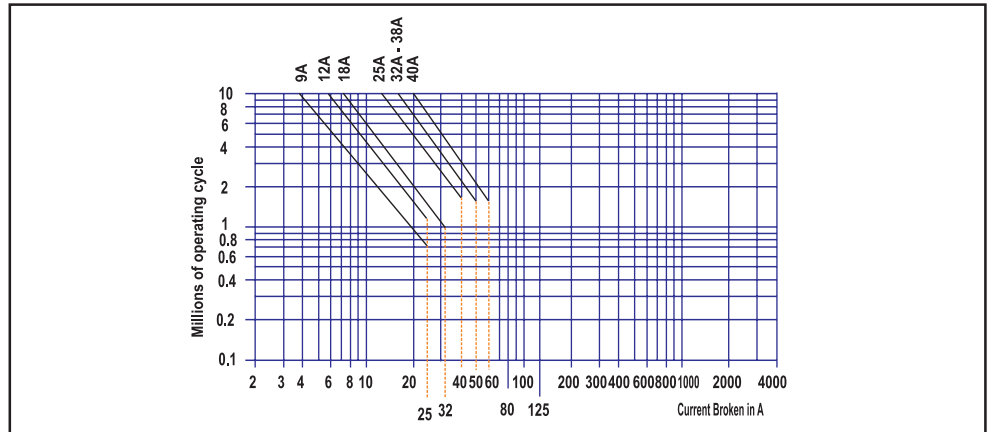
Integral Auxiliary Contact Characteristics

Switching Current		A	9A ~ 40A
Rated thermal current (Ith)	$\theta < 40^{\circ}\text{C}$	A	10
Rated operational voltage (Ue)	Upto	V	660

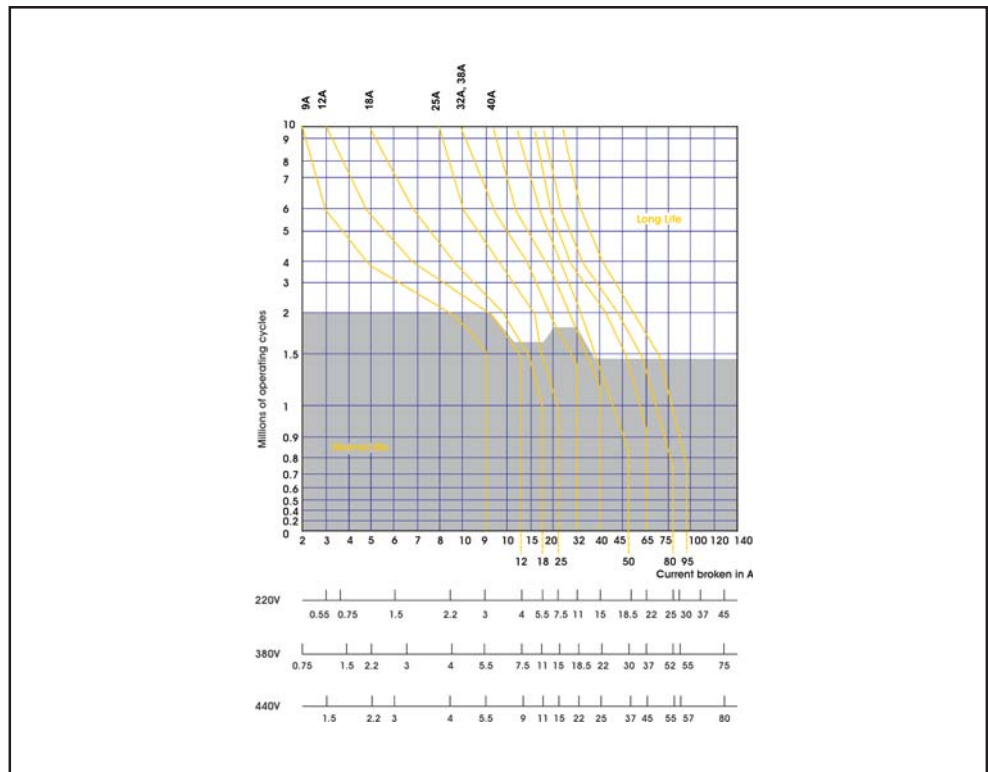
Contactor Selection Guide

(according to the required electrical life)

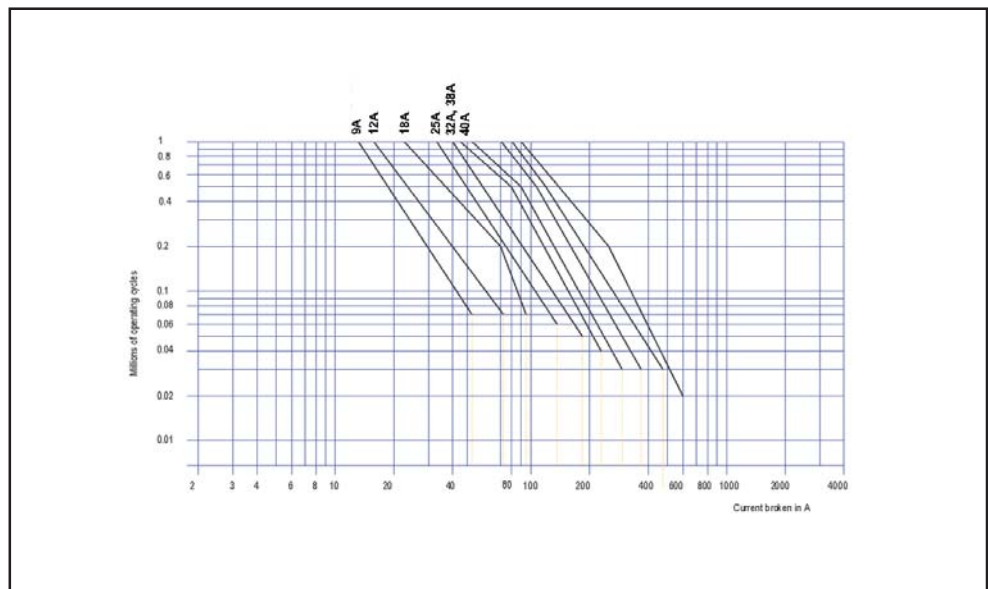
Use in Category AC-1 ($U_e < 440V$).
Control of resistive circuits ($\cos \phi > 0.95$). The current broken (I_b) in category AC-1 is equal to the current (I_e) normally drawn by the load.



Use in Category AC-3 ($U_e < 440V$).
Control of 3-phase asynchronous squirrel cage motors with breaking whilst motor running. The current broken (I_b) in category AC-3 is equal to the current (I_e) normally drawn by the load.



Use in Categories AC-2, AC-4 ($U_e < 440V$). Control of 3-phase asynchronous squirrel cage (AC-4) or slip ring (AC-2) motors with breaking whilst motor stalled. The current broken in category AC-4 is equal to $6I_e$. (I_e =rated operational current of the motor).



3 Pole Contactors with AC & DC operating coil

Selection



9A with AC operating coil



40A with AC operating coil



9A with DC operating coil



40A with DC operating coil

3 Pole Contactor with AC operating coil

Maximum Current		Maximum HP						Aux. Contacts Built-in per contactor		Coil Voltage 50/60Hz	RS Contactor Stock No.
Inductive	Resistive	Single Phase		Three Phase							
AC-3 A	AC-1 A	120V	230V	200V	230V	480V	600V	NO	NC		
9	25	0.5	1	2	2	5	7.5	1	0	24V	135-272
										110V	135-250
										230V	135-244
										400V	135-238
12	25	1	2	3	3	7.5	10	1	0	24V	134-926
										110V	134-611
										230V	134-673
										400V	134-601
18	32	1	3	5	5	10	15	1	0	24V	134-627
										110V	134-617
										230V	134-689
										400V	134-853
25	40	2	3	5	7.5	15	20	1	0	24V	134-718
										110V	134-695
										230V	134-847
										400V	134-831
32	50	2	5	10	10	20	25	1	0	24V	134-746
										110V	135-216
										230V	135-200
										400V	135-193
38*	50	2	5	10	10	20	25	1	0	24V	135-171
										110V	134-667
										230V	134-651
										400V	134-897
40	60	3	5	10	10	30	30	1	1	24V	134-819
										110V	134-910
										230V	134-869
										400V	134-645

3 Pole Contactor with DC operating coil

Maximum Current		Maximum HP						Aux. Contacts Built-in per contactor		Coil Voltage	RS Contactor Stock No.
Inductive	Resistive	Single Phase		Three Phase							
AC-3 A	AC-1 A	120V	230V	200V	230V	480V	600V	NO	NC		
9	25	0.5	1	2	2	5	7.5	1	0	24V	135-266
12	25	1	2	3	3	7.5	10	1	0	24V	134-623
18	32	1	3	5	5	10	15	1	0	24V	134-639
25	40	2	3	5	7.5	15	20	1	0	24V	135-187
32	50	2	5	10	10	20	25	1	0	24V	134-702
38*	50	2	5	10	10	20	25	1	0	24V	135-222
40	60	3	5	10	10	30	30	1	1	24V	134-904

*Under U_L approval.

Accessories, Spares Coils

Selection



Mechanical Interlock

approved

Mechanical Interlocks Horizontally Mounted

For use with Contactor / Control Relay with "Stock No."			RS Interlock Stock No.
134-655	135-250	134-611	134-954
134-605	135-244	134-673	
134-522	135-238	134-601	
134-825	134-718	134-627	
134-594	135-187	134-639	
134-588	135-187	134-617	
134-572	135-187	134-689	
134-566	134-847	134-853	
134-550	134-831	135-272	
135-036	134-746	135-266	
135-020	134-702	135-171	
134-667	135-216	135-222	
134-651	135-200	135-193	
134-897	134-623	134-926	
134-819			134-932
134-904			
134-910			
134-869			
134-645			

Spare Coils (AC)

Use for Stock No.	Use for rating"A"/TYPE	Voltage 50/60hz	RS Coil Stock No.
134-538	Control Relay	24V	134-724
134-825	Control Relay		
134-566	Control Relay		
135-272	Contactor 9A		
134-926	Contactor 12A		
134-627	Contactor 18A	110V	134-768
134-605	Control Relay		
134-588	Control Relay		
135-036	Control Relay		
135-250	Contactor 9A		
134-611	Contactor 12A	230V	134-774
134-617	Contactor 18A		
134-522	Control Relay		
134-572	Control Relay		
135-020	Control Relay		
135-244	Contactor 9A	400V	134-752
134-673	Contactor 12A		
134-689	Contactor 18A		
135-238	Contactor 9A		
134-601	Contactor 12A	24V	135-339
134-853	Contactor 18A		
134-718	Contactor 25A		
134-746	Contactor 32A		
135-171	Contactor 38A	110V	135-323
134-695	Contactor 25A		
135-216	Contactor 32A		
134-667	Contactor 38A		
134-847	Contactor 25A	230V	135-317
135-200	Contactor 32A		
134-651	Contactor 38A		
134-831	Contactor 25A		
135-193	Contactor 32A	400V	135-301
134-897	Contactor 38A		
134-819	Contactor 40A		
134-910	Contactor 40A		
134-869	Contactor 40A		
134-645	Contactor 40A	400V	135-042



Coil

Spare Coils (DC)

Use for Stock No.	Use for rating"A"/TYPE	Voltage	RS Coil Stock No.
134-655	Control Relay	24V	134-976
134-594	Control Relay		
134-550	Control Relay		
135-266	Contactor 9A		
134-623	Contactor 12A		
134-639	Contactor 18A	24V	134-960
135-187	Contactor 25A		
134-702	Contactor 32A		
135-222	Contactor 38A	24V	134-948
134-904	Contactor 40A		

Auxilliary Contacts, Time Delay Blocks

Characteristics / Selection

Instantaneous / Time Delay Contact Characteristics

Type			Aux. Contact Block	Time Delay Block
Number of contacts			2 or 4	2
Rated operational Voltage (Ue)	Upto	V	660	660
Rated Insulation Voltage (Ui)	Conforming to IEC 947-1	V	690	690
	Conforming to CSA C22-2 No. 14	V	600	-
Rated Thermal current (Ith)	For ambient temperature <40°C	A	10	
Frequency of operational current		Hz	25....400	
Minimum switching capacity	U min	V	17	
	I min	mA	5	
Short time rating	Permissible for	1s	A	100
		500ms	A	120
		100 ms	A	140
Insulation resistance		MΩ	> 10	
Time Delay	Ambient air temperature for operation	°C		-40...+70
Mechanical Life	In millions of operating cycles		30	5



Aux. Contact Block



Aux. Contact Block



Time delay block - Pneumatic



Instantaneous Auxilliary Contact Blocks

No. of Contacts	Contacts		Snap-On Mounting	RS Aux. Contact Block Stock No.
	NO	NC		
4	2	2	To the front of Contactors 9A ~ 40A (AC/DC) Control Relays (AC/DC)	135-121
	1	3		135-058
	3	1		135-115
2	1	1		135-109
	2	0		135-159
	0	2		135-137

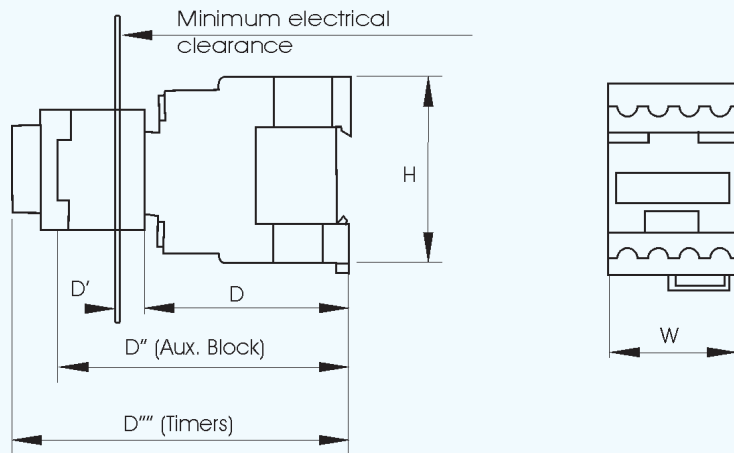
Pneumatic Timer Block (Front Mounted)

Description	Contacts		Range	RS Timer Stock No.
	NO	NC		
ON Delay	1	1	0.1 ... 3s	134-982
ON Delay	1	1	0.1 ... 30s	135-086
ON Delay	1	1	10 ... 180s	135-092
OFF Delay	1	1	0.1 ... 3s	135-070
OFF Delay	1	1	0.1 ... 30s	135-064
OFF Delay	1	1	10 ... 180s	135-143

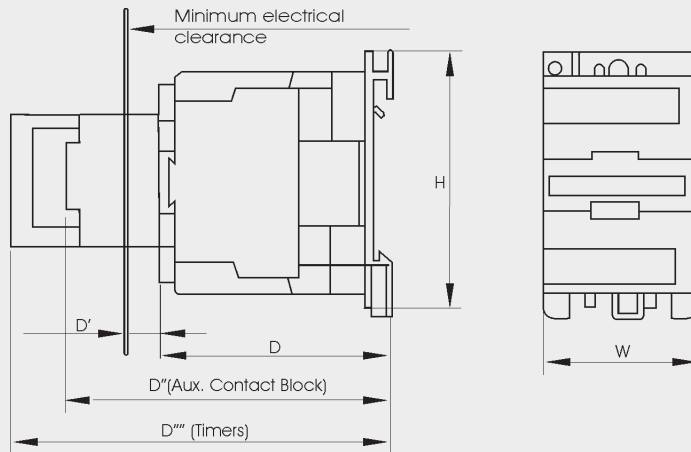
Contactor with AC operating coils

Dimension

9A ~ 38A



40A

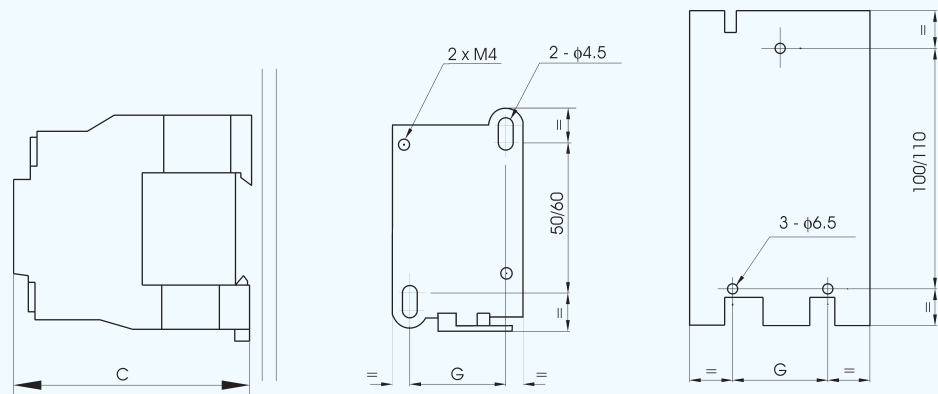


Rating	9A	12A	18A	25A	32A	38A	40A
W (3 Pole)	45	45	45	56	56	56	75
H (3 Pole)	74	74	74	84	84	84	127
D (3 Pole)	80	80	85	94	99	99	114
D' (3 Pole)	10	10	10	10	10	10	12
D'' (3 Pole)	113	113	118	126	131	131	145
D''' (3 Pole)	133	133	138	147	152	152	166

Panel mounting

9A ~ 38A

40A

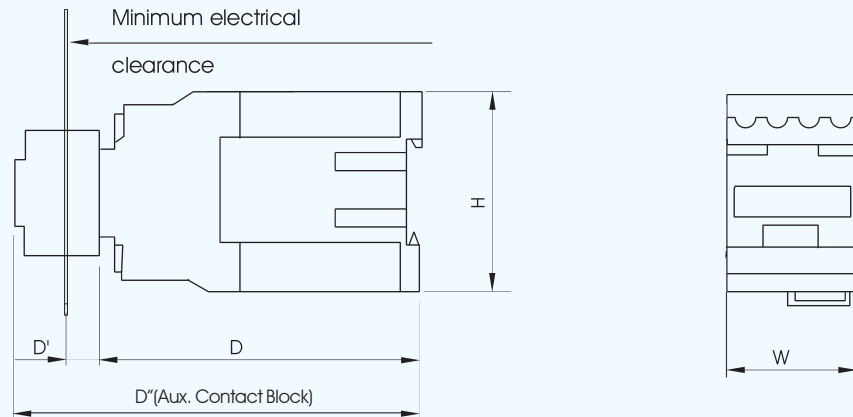


Rating	9A	12A	18A	25A	32A	38A	40A
C	80	80	85	94	99	99	114
G	35	35	35	40	40	40	40

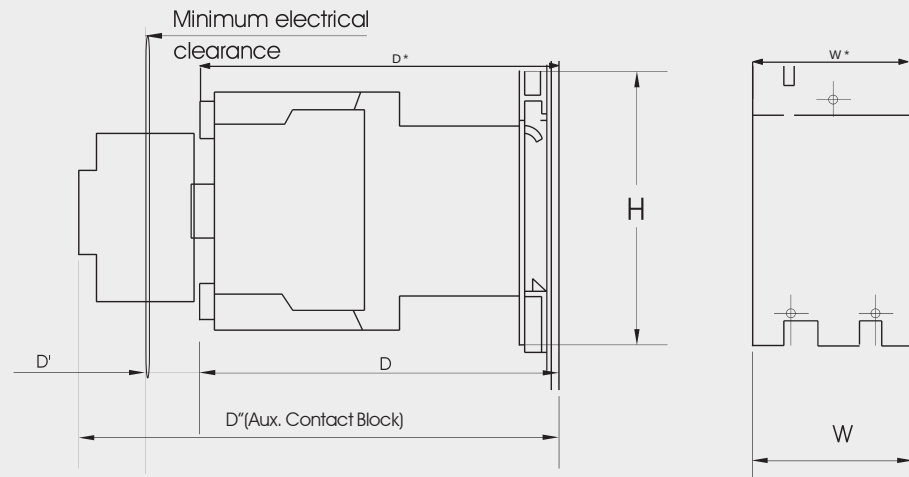
Contactors with DC operating coils

Dimension

9A ~ 38A



40A

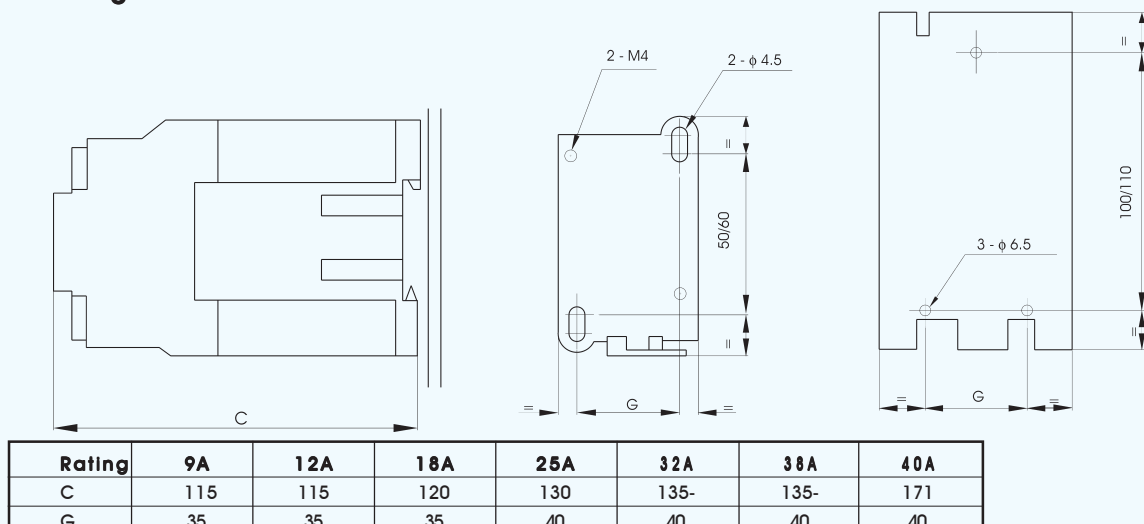


Rating	9A	12A	18A	25A	32A	38A	40A
W (3 Pole)	45	45	45	56	56	56	75
H (3 Pole)	74	74	74	84	84	84	127
D (3 Pole)	115	115	120	130	135-	135-	171
D' (3 Pole)	10	10	10	10	10	10	12
D'' (3 Pole)	148	148	153	163	168	168	202

Panel Mounting

9A ~ 38A

40A



Rating	9A	12A	18A	25A	32A	38A	40A
C	115	115	120	130	135-	135-	171
G	35	35	35	40	40	40	40

Control Relay with AC & DC operating coils

Characteristics

Environment

Operating Coil Type			AC	DC
Conforming to Standards			IEC 60947-1, 60947-5	
Degree of Protection	Protection against direct finger contact		Conforming to VDE 0106	
Ambient air Temperature around the device	Storage	°C	-60....+80	
	Operation	°C	-5....+55	
	Permissible for operation at U _c	°C	-40....+70	
Maximum operating altitude	Without derating	m	3000	
Operating positions	Without derating		±30° possible, in relation to normal vertical mounting plane	
Shock Resistance 1/2 sine wave for 11 ms	Control relay open		10g	8g
	Control relay closed		15g	11g
Vibration Resistance 5.....300Hz	Control relay open		2g	2g
	Control relay closed		4g	3g
Cabling	Flexible or solid cable with or without cable end	mm ²	Min: 1x1;	Max.: 2x2.5

Control Circuit Characteristics

Operating Coil Type			AC	DC
Rated Insulation Voltage (U _i)	Conforming to IEC 947-1 & IEC 947-5	V	690	
	Conforming to CSA C22-2 no. 14	V	600	
Rated control circuit voltage (U _c)		V	12...600	
Control voltage limits	Operational		With 50/60Hz coil 0.85 ... 1.1 U _c	0.85 ... 1.1 U _c
	Drop-out		0.3 .. 0.6 U _c	0.1 .. 0.65 U _c
Average consumption at 20°C	~ 50/60 Hz	VA	Inrush: 70, Sealed:8	-
	DC	W	-	Inrush or Sealed: 9
Operating Time (at rated control circuit voltage and at 20°C)	Between coil energisation and opening of the NC contacts	ms	6...20	35...43
	- closing of the NO contacts	ms	12...22	40...48
	Between coil de-energisation and opening of the NO contacts	ms	4...12	6...14
	closing of the NC contacts	ms	6...17	11...19
Short supply failures	Max. duration without affecting hold-in of device	ms	2	2
Maximum operating rate	In operating cycles per second		3	3
Mechanical Life at U _c (mechanical durability)	In millions of operating cycles:			
	50/60 Hz coil		30	-
	DC		-	30

Operating Power of Contactor with AC Supply categories AC-14 & AC-15

Electrical life (upto 3600 operating cycles/hr) on an inductive load such as the coil of an electromagnet: making power (cosφ 0.7)
- 10 times the power broken (cos φ 0.4)

	V	24	110	230	400
1 million operating cycles	VA	150	400	480	500
3 million operating cycles	VA	80	250	290	320
10 million operating cycles	VA	30	90	120	130
Occasional making capacity	VA	1200	7000	13000	15000

- Breaking limit of contacts valid for maximum of 50 operating cycles at 10s intervals(breaking power=making power x cosφ 0.7)
- Electrical life of Contacts:
 - for 1 million operating cycles (2a);
 - for 3 million operating cycles (2b);
 - for 10 million operating cycles (2c)

Operating Power of Contactor with DC Supply categories DC-13

Electrical life (upto 1200 operating cycles/hr) on an inductive load such as the coil of an electromagnet without economy resistor, the time constant increasing with the power.

	V	24
1 million operating cycles	VA	120
3 million operating cycles	VA	70
10 million operating cycles	VA	25
Occasional making capacity	VA	1000

- Electrical life of Contacts:
 - for 1 million operating cycles (2a)
 - for 3 million operating cycles (2b)
 - for 10 million operating cycles (2c)
- Breaking limit of contacts valid for maximum of 20 operating cycles at 10s intervals and with current passing for 0.5s per operating cycle.

Control Relay with AC & DC operating coils

Selection / Dimension



UL
approved
at 600V

Control Relay with
AC operating coil

Control Relays (AC)

Contacts		Coil Voltage 50/60Hz	RS Stock No.
NO	NC		
2	2	24V	134-566
		110V	135-036
		230V	135-020
3	1	24V	134-825
		110V	134-588
		230V	134-572
4	0	24V	134-538
		110V	134-605
		230V	134-522



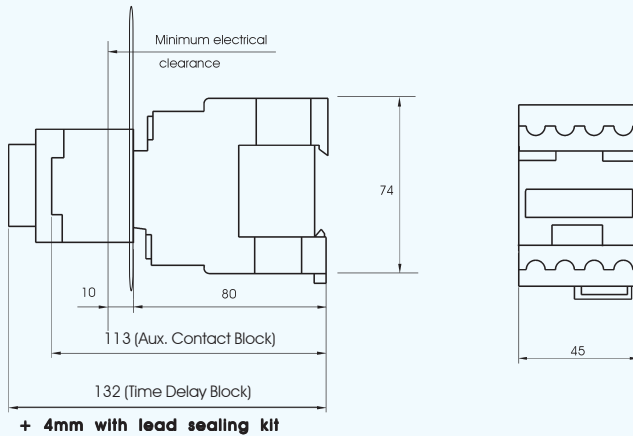
UL
approved
at 600V

Control Relay with
DC operating coil

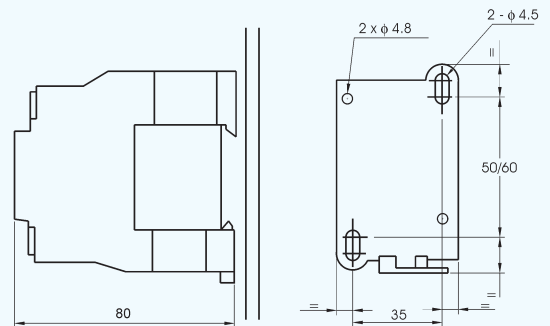
Control Relays (DC)

Contacts		Coil Voltage	RS Stock No.
NO	NC		
2	2	24V	134-550
3	1	24V	134-594
4	0	24V	134-655

Dimensions

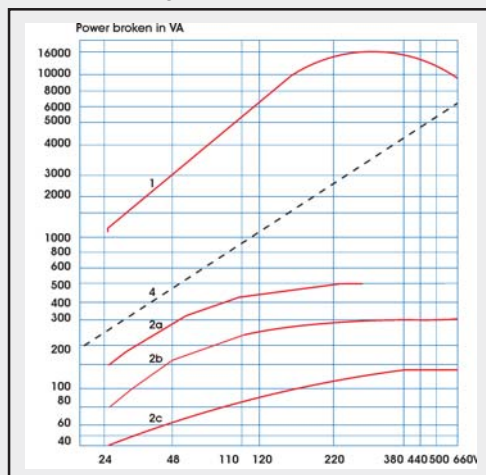


Panel Mounting

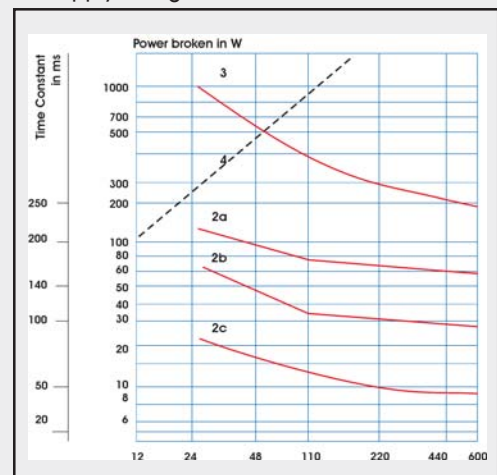


Mounting

AC Supply categories AC-14 & AC-15



DC Supply categories DC-13



Overload Relays

Characteristics

Environment

Conforming to standards			IEC 60947-1, NFC 63-650, VDE 0660, BS 4941
Degree of protection	Conforming to VDE 0106		Protection against direct finger contact IP 2X
Protective treatment	Conforming to IEC 68		"TH"
Ambient air temperature	Storage	°C	-60 to +70
(around the device)	Operation, without derating	°C	-25 to +60
	Max. & Min. operating temp.	°C	-40 to +70
Operating position	Without derating		Any Position, in relation to normal vertical mounting plane
Shock resistance	Permissible acceleration		15gn - 11ms, conforming to IEC 68-2-7
Vibration resistance	Permissible acceleration		6gn, conforming to IEC 68-2-6
Dielectric strength at 50 Hz	Conforming to IEC 255-5	KV	6
Impulse withstand voltage	Conforming to IEC 801-5	KV	6

Electrical Characteristics of Power Circuit

RS Coil Stock No.			135-373 135-165 135-367 135-351 135-288 134-516 134-500 134-493 134-544	134-881	134-875 134-803 134-730 134-796 134-780	
Tripping class		A	10	10	10	
Rated insulation Voltage (Ui)	Conforming to IEC 60947-4-1	V	690	690	690	
Rated operating voltage upto	Conforming to UL, CSA	V	600	600	600	
Rated impulse withstand voltage (Uimp)		KV	6	6	6	
Frequency limits	Of the operational current	Hz	0... 400	0...400	0...400	
Setting range	Depending on model	A	0.1...13	12...38	17...104	
Connecting to screw clamp terminal			Minimum / Maximum CSA			
Flexible cable without cable end	1 conductor	mm ²	1.5 / 10	1.5 / 10	4 / 35	
Flexible cable with cable end	1 conductor	mm ²	1 / 4	1 / 6	4 / 35	
Solid cable without cable end	1 conductor	mm ²	1 / 6	1.5 / 4	4 / 35	
Tightening torque		Nm	1.7	2.5	9	
Connection to spring terminals			Minimum / Maximum CSA			
Flexible cable without cable end	1 conductor	mm ²	1.5 / 4	1.5 / 4	-	
Solid Cable without cable end	1 conductor	mm ²	1.5 / 4	1.5 / 4	-	

Operating Characteristics

Temperature Compensation		°C	-20...+60	-30...+60	-30...+60	
Tripping Threshold	Conforming to IEC 6047-4-1	A	1.14 + 0.06 In			
Sensitivity to phase failure	Conforming to IEC 60947-4-1		Tripping current 30% of In on one phase, the others at In			

Auxiliary Contact Characteristics

Conventional thermal Curent		A			5		
Maximum consumption of operating	AC Supply	V	24	48	110	220	380
coil of controlled contactors (Occasional)		VA	100	200	400	600	600
operating cycles of contact 95 - 96)		V	24	48	110	220	440
Short circuit protection	By gG or BS fuse Max. rating or by GB2 circuit-breaker	W	100	100	50	45	25
		A	5				
Connection to screw clamp terminal			Minimum / Maximum CSA				
Flexible cable without cable end	1 or 2 conductors	mm ²	1 / 2.5				
Flexible cable with cable end	1 or 2 conductors	mm ²	1 / 2.5				
Solid cable without cable end	1 or 2 conductors	mm ²	1 / 2.5				
Tightening torque	1 or 2 conductors	Nm	1.85				
Connecting to spring terminal			Minimum / Maximum CSA				
Flexible cable without cable end	1 or 2 conductors	mm ²	1 / 2.5				
Solid cable without cable end	1 or 2 conductors	mm ²	1 / 2.5				

Overload Relays

Selection / Dimension / Tripping Curves



Overload Relay

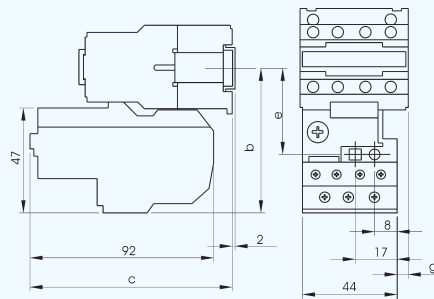
Standard Fault Ratings U_L

High Fault Ratings U_L

Bimetallic Overload Relay (Class 10)

RELAY SETTING RANGE (A)	STANDARD POWER RATINGS OF 3-PHASE MOTORS 50/60Hz, AC3 CATEGORY					BACK UP		RS Overload Relay Stock No.
	220V	380V	415V	440V	660V	FUSE RATING		
	KW	KW	KW	KW	KW	aM(A)	g1 (A)	
0.4 to 0.63	-	-	-	-	0.37	1	2	135-373
0.63 to 1	-	-	-	-	0.55	2	4	135-165
1 to 1.6	-	0.37	-	0.55	1.1	2	4	135-367
1.6 to 2.5	0.37	0.75	1.1	1.1	1.5	4	6	135-351
2.5 to 4	0.75	1.5	1.5	1.5	3	6	10	135-288
4 to 6	1.1	2.2	2.2	2.2	4	8	16	134-516
5.5 to 8	1.5	3	3.7	3.7	5.5	12	20	134-500
7 to 10	2.2	4	4	4	7.5	12	20	134-493
9 to 13	3	5.5	5.5	5.5	10	16	25	134-544
12 to 18	4	7.5	9	9	15	20	35	134-881
17 to 25	5.5	11	11	11	18.5	25	50	134-875
23 to 32	7.5	15	15	15	-	40	63	134-803
23 to 32	7.5	15	15	15	-	40	63	134-730
30 to 40	10	18.5	22	22	30	40	100	134-796
37 to 50	11	22	25	25	37	63	100	134-780

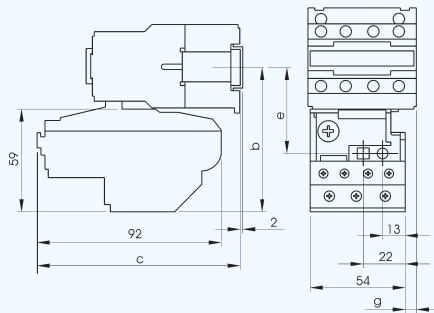
Dimensions, Tripping Curves



RS Stock No.

135-373	135-288	134-544
135-165	134-516	134-881
135-367	134-500	134-875
135-351	134-493	

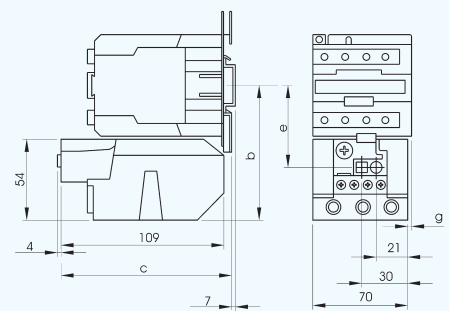
Mounting With	b	c	e	g
9A - 18A Contactor AC	81	98	50	0
25A Contactor AC	86	108	55	10.7
32A, 38A Contactor AC	86	109	55	8.1
9A - 18A Contactor DC	81	133	50	0
25A Contactor DC	86	152	55	10.7
32A, 38A Contactor DC	86	153	55	8.1



RS Stock No.

134-803

Mounting With	b	c	e	g
25A AC	97.5	98	60	1.5
32A, 38A AC	97.5	98	60	0.5
25A DC	97.5	155	60	1.5
32A, 38A DC	97.5	155	60	0.5

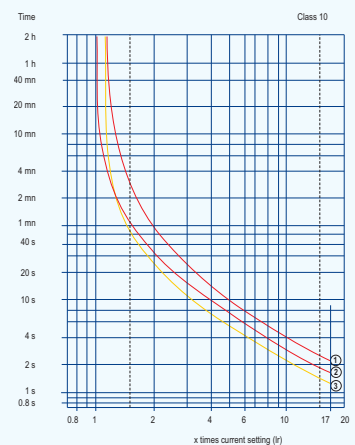


RS Stock No.

134-730
134-796
134-780

Mounting With	b	c	e	g
40A AC	111	119	72.4	4.5
40A DC	111	176	72.4	4.5

Overload Relays



- ① Balanced operation, 3-phase, from cold state.
- ② Balanced operation, 2-phase, from cold state.
- ③ Balanced operation, 3-phase, after a long period at the set current (hot state).



08457 201201



rswww.com



0845 850 9911



RS Trade Counters

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