CONTACTOR GENERAL CHARACTERISTICS Standard - IS/IEC 60947-4-1

Operating Temperature : -20˚C to +60˚C
Operating Altitude : 2000m
Humidity : 50% RH at 60˚C
: 95% RH at 40˚C
Vibration : 5 to 100 Hz (0.7g in x,y,z plane)
Operating position : ±30˚

CONTACTOR CAT. REFERENCE		CE15AN3*	CE15BN3*	CE15CN3*	CE15DN3*	CE15EN3*	CE15FN3*	CE15GN3*	CE15HN3*	CE15JN3*	CE15KN3*
Nominal current rating at 380 / 415V 50Hz (AC3 Duty)	Ie (A)	6	9	12	18	25	32	40	50	65	75
Standard power rating at 380V / 415V 50Hz	P (kW)	2.2/2.26	4/4	5.5/5.5	9.0/9.0	11/11	15/15	18.5/22	22/25	30/37	37/37
Electrical endurance at rated current AC3 Duty	Million	2.7	2.3	2.1	1.5	1.5	1.7	1.1	1.3	1.4	1.3
Maximum frequency of no load operation	op / h	600	600	600	600	600	600	600	600	600	600
MECHANICAL DATA											
Frame size	mm	45						65			
Number of poles		4	4	4	3	3	3	3	3	3	3
Mounting Dimensions	mm	M4 34.5x60						M5 55x95			
Weight	Kg	0.41	0.41	0.41	0.44	0.44	0.44	1.28	1.28	1.28	1.28
Mechanical durability	Million	20	20	20	20	20	20	10	10	10	10
POWER CIRCUIT											
Operational voltage	Ue (V)	660	660	660	660	660	660	660	660	660	660
Insulation voltage	Ui (V)	690	690	690	690	690	690	690	690	690	690
Impulse Voltage withstand	kV	6	6	6	6	6	6	6	6	6	6
Thermal current	Ith (A)	20	20	20	32	40	40	60	75	80	80
Connections	mm2	2.5	2.5	2.5	6	6	6	25	25	25	25
AC-1 Duty rated at 380 / 415V 50Hz	Ie (A)	20	20	20	32	40	40	60	75	80	80
AC-4 Duty rated at 380 / 415V 50Hz	Ie (A)	6	9.1	12	16	23	23	37	44	50	59
Electrical life at rated current AC4 Duty	ops.	60000	59000	43000	67000	52000	75000	58000	62000	35000	34000
AC-4 Duty rating for 200000 operations	Ie (A)	2.5	4.3	4.8	8.3	10	12	17	34	34	34
Stator current rating acc. to Ac2 Duty (A) ≤55°C	100% DF	6	9	12	16	25	32	40	50	65	73
Rotor Duty rating-Delta Connected (A) ≤40°C	100% DF	12	16	21	29	40	52	64	76	104	126
	60% DF	15	21	27	38	51	67	83	98	134	163
	40% DF	19	26	33	47	63	82	101	120	164	200
	20% DF	27	36	46	66	89	116	143	170	232	283
Maximum Rotor Voltage - Starting & Inching Starting & Plugging		Delta connected - 1160V ; Star connected - 1380V Delta connected - 580V ; Star connected - 690V									
Transfromer primary switching 500V AC	A	3.1	4.2	5.4	7.6	10	13	15	20	20	24
Capacitor switching (single bank only) 380/400V, 3ph	kVAR	4.9	6.7	8.6	12	15	15	25	30	37	40
CONTROL CIRCUIT											
Coil VA Consumption	Pickup VA	70			92			230			
	Seal VA	6.4			8			28			

*Suffix code for Coil Voltage

CONTACTOR GENERAL CHARACTERISTICS Standard - IS/IEC 60947-4-1

Operating Temperature : -20˚C to +60˚C

Operating Altitude : 2000m

Humidity : 50% RH at 60˚C
: 95% RH at 40˚C

Vibration : 5 to 100 Hz (0.7g in x,y,z plane)

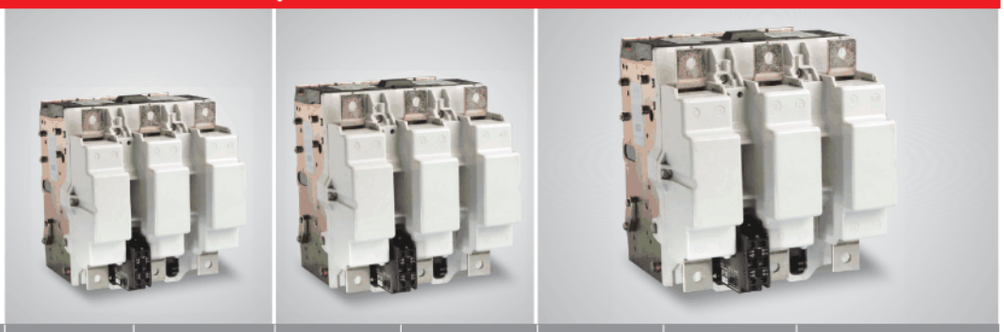
Operating position : ±30˚

CONTACTOR CAT. REFERENCE		BCH15KT.3.11.*	BCH15LT.3.11.*	BCH15MT.3.11.*	BCH15NT.3.11.*	BCH15PT.3.11.*	MCE15RN3*	MCE15S0N3*	MCE15SN3*
Nominal current rating at 380 / 415V 50Hz (AC3 Duty)	Ie (A)	80	95	110	150	175	200	265	300
Standard power rating at 380V / 415V 50Hz	P (kW)	37/40	45/47	55/59	75/80	90/95	110/110	90/90	160/160
Electrical endurance at rated current AC3 Duty	Million	0.8	0.8	0.8	0.8	0.8	0.52	0.55	0.351
Maximum frequency of no load operation	op / h	3000			1200		600	600	300
MECHANICAL DATA									
Frame size	mm	79			110		178		
Number of poles		3	3	3	3	3	3	3	3
Mounting Dimensions	mm	M5 70x100			M5 100x130		M6 160x166.5		
Weight	Kg	1.8		2.2	4		8.3		
Mechanical durability	Million	10					5		
POWER CIRCUIT									
Operational voltage	Ue (V)	1000					660		
Insulation voltage	Ui (V)	1000					690		
Impulse Voltage withstand	kV	8	8	8	8	8	6	6	6
Thermal current	Ith (A)	125		135	230	250	300	315	315
Connections	mm2	50			120		240		
AC-1 Duty rated at 380 / 415V 50Hz	Ie (A)	125		135	230	250	300	315	315
AC-4 Duty rated at 380 / 415V 50Hz	Ie (A)	80	90	110	150	175	140	165	170
Electrical life at rated current AC4 Duty	ops.	20000					65000	60000	60000
AC-4 Duty rating for 200000 operations	Ie (A)	27	31	34	41	50	70	75	80
Stator current rating acc. to AC2 Duty (A)≤55°C	100% DF	80	95	110	150	175	200	265	300
Rotor Duty rating-Delta Connected (A) ≤40°C	100% DF	160	175	224	280	350	393	425	465
	60% DF	185	200	250	325	406	507	550	600
	40% DF	217	236	245	380	475	621	700	735
	20% DF	272	296	360	475	594	879	950	1040
Maximum Rotor Voltage - Starting & Inching Starting & Plugging		Delta connected - 1160V ; Star connected - 1380V Delta connected - 580V ; Star connected - 690V							
Transfromer primary switching 500V AC	A	36	40	50	65	80	90	100	135
Capacitor switching (single bank only) 380/400V, 3ph	kVAR	40	50	60	80	100	110	140	158
CONTROL CIRCUIT									
Coil VA Consumption — Pickup	VA	250			350		1040		
Coil VA Consumption — Seal	VA	19			5		116		

*Suffix code for Coil Voltage

CONTACTOR GENERAL CHARACTERISTICS Standard - IS/IEC 60947-4-1

Operating Temperature : -20˚C to +60˚C
Operating Altitude : 2000m
Humidity : 50% RH at 60˚C
: 95% RH at 40˚C
Vibration : 5 to 100 Hz (0.7g in x,y,z plane)
Operating position : ±30˚



CONTACTOR CAT. REFERENCE		BCH54.3.22.*	BCH55.3.22.*	BCH57.3.22.*	BCH62.3.22.*	BCH64.3.22.*	BCH76.3.22.*	BCH78.3.12.*
Nominal current rating at 380 / 415V 50Hz (AC3 Duty)	Ie (A)	400	450	550	700	860	1000	1200
Standard power rating at 380V / 415V 50Hz	P (kW)	220/240	220/240	280/315	375/400	475/500	550/600	650/700
Electrical endurance at rated current AC3 Duty	Million	0.6	0.6	0.6	0.6	0.6	0.6	0.6
Maximum frequency of no load operation	op / h	300	300	300	300	300	120	120
MECHANICAL DATA								
Frame size	mm	220			280		334	
Number of poles		3	3	3	3	3	3	3
Mounting Dimensions	mm	M8 110x220			M10 175x280		M12 120x380	
Weight	Kg	13.0	13.0	13.5	26.4	27.6	49	53
Mechanical durability	Million	5	5	5-10	5-10	5-10	1-5	1-5
POWER CIRCUIT								
Operational voltage	Ue (V)	1000	1000	1000	1000	1000	690	690
Insulation voltage	Ui (V)	1000	1000	1000	1000	1000	690	690
Impulse Voltage withstand	kV	8	8	8	8	8	8	8
Thermal current	Ith (A)	600	600	760	1000	1100	1200	1350
Connections	mm2	2(40x5)	2(40x5)	2(50x5)	2(60x5)	2(60x6)	2(60x6)	2(60x6)
AC-1 Duty rated at 380 / 415V 50Hz	Ie (A)	600	600	760	1000	1100	1200	1350
AC-4 Duty rated at 380 / 415V 50Hz	Ie (A)	400	450	550	700	860	1000	1200
Electrical life at rated current AC4 Duty	ops.	6000	6000	6000	6000	6000	6000	6000
AC-4 Duty rating for 200000 operations	Ie (A)	100	115	140	185	215	265	300
Stator current rating acc. to AC2 Duty (A)≤55°C	100% DF	400	450	550	700	860	1000	1200
Rotor Duty rating-Delta Connected (A) ≤40°C	100% DF	750	840	1060	1400	1540	1680	1850
	60% DF	860	960	1210	1600	1760	1930	2120
	40% DF	1020	1130	1430	1890	2080	2270	2500
	20% DF	1300	1420	1790	2370	2610	2840	3130
Maximum Rotor Voltage - Starting & Inching Starting & Plugging		Delta connected - 1700V ; Star connected - 2000V Delta connected - 850V ; Star connected - 1000V					Delta connected - 1160V ; Star connected - 1380V Delta connected - 580V ; Star connected - 690V	
Transfromer primary switching 500V AC	A	185	203	250	315	390	450	540
Capacitor switching (single bank only) 380/400V, 3ph	kVAR	190	200	250	350	400	450	500
CONTROL CIRCUIT								
Coil VA Consumption	Pickup VA	950			1600		2450	
	Seal VA	11			25		75	

*Suffix code for Coil Voltage

Coil Voltage Table

BCH

COIL VOLTAGE:MASTER TABLE

		24V		48V		55V	110V		160-220V	220V		220-240V	230-360V	240V	250V	275V	190-400V	260-400V	380V	380-415V	415V	440V	550V	
	PRODUCT	AC	DC	AC	DC	DC	AC	DC	-	AC	DC	AC	-	AC	DC	DC	AC	AC	AC	AC	AC	AC	AC	DC
CR RELAY	#CR Relay	U	U3	W	W3	-	A	A3	-	B	B3	-	-	K	-	-	-	-	L	-	M	C	D	-
DUROS FREEDOM	#CE15A-F	U	U3	W	W3	-	A	A3	-	B	B3	-	-	K	-	-	-	-	L	-	M	C	D	-
	#CE15G-K	U	U3	W	W3	-	A	A3	-	B	B3	-	-	K	-	-	-	-	L	-	M	C	D	-
	BCH15KT-LT	U	-	W	-	-	A	-	-	B	-	-	-	K	-	-	-	-	L	-	M	C	D	-
	BCH15MT-PT	24	-	48	-	-	110	-	-	-	-	220	-	-	-	-	-	-	-	380	-	440	550	-
	BCH15MN-PN	24	-	48	-	-	110	-	-	-	-	220	-	-	-	-	-	-	-	380	-	440	550	-
	MCE15R-S	U	U3	-	-	-	A	A3	-	B	-	-	-	K	-	-	-	-	L	-	M	C	D	-
	BCH54-64	-	-	-	-	-	110	110	-	220	220	220	-	220	-	-	-	-	380	380	380	440	-	-
	BCH76&78	-	-	-	-	-	A7	A17	-	B7	-	H	-	-	-	-	-	-	-	-	-	-	-	-
NHD	CPG216	U	-	-	-	-	A	-	BW	-	-	H	-	-	-	-	-	-	-	N	-	-	-	-
	CPG225&240	U	-	-	-	-	A	-	BW	-	-	H	-	-	-	-	-	-	-	N	-	-	-	-
	SHAKTI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Z	G	-	N	-	-	-	-
	C00N & N0N	U	-	-	-	-	A	-	BW	-	-	H	-	-	-	-	-	G	-	N	-	C	D	-
	N01N & N1N	U	-	-	-	-	A	-	-	-	-	H	LV	-	-	-	-	-	-	N	-	C	-	-
CITATION	C4 & D	-	-	-	-	-	A	-	-	B	-	-	-	K	-	-	-	-	L	-	M	C	D	-
	MC10EN	U	-	-	-	-	A	-	-	B	-	-	-	K	-	-	-	-	L	-	M	C	D	-
	MCE15L-M5	U	-	W	-	-	A	-	-	B	-	-	-	K	-	-	-	-	L	-	M	C	D	-
	MCE15N-Q	U	U3	-	-	-	A	A3	-	B	-	-	-	K	-	-	-	-	L	-	M	C	D	-
DC CONTACTOR	912X	-	U1	-	-	Q1	A1R	A1	-	-	B1	-	-	K1R	F1	-	-	-	-	-	-	-	-	D1
	914;934X	-	U1	-	W1	Q1	A1R	A1	-	-	B1	-	-	K1R	F1	J1	-	-	-	-	-	-	-	D1
	935X;924;915	-	U1	-	W1	Q1	A1R	A1	-	-	B1	-	-	K1R	F1	J1	-	-	-	-	-	-	-	D1
	925	-	-	-	-	-	-	A1	-	-	B1	-	-	K1R	F1	-	-	-	-	-	-	-	-	D1
	916&936	-	U1	-	W1	Q1	A1R	A1	-	-	B1	-	-	K1R	F1	-	-	-	-	-	-	-	-	D1
	D912-D916	-	-	-	W1	-	A1R	A1	-	-	B1	-	-	K1R	F1	-	-	-	-	-	-	-	-	-

2. AC control is not available for 934, 935, 936 versions.

3. For ordering spare coils for D912, D914, D915 and D916 Contactors, please order coils with 50% voltage rating as that of control voltage. Example to order coils for D914 X 22B1 (which is a 220V DC DP Contactor), please order spare coils with 110V DC rating.

#The Interchangeability between AC & DC Coil of CE15 / D15 type contactors is not possible at site. Only Company fitted DC control is available for this range.

FREEDOM CONTACTORS
3P & 4P

Unmatched performance

- Highly reliable operation
- No deration up to 60˚C (AC3 duty)
- Time tested for heavy duty applications for 2 decades

Lasts a life time

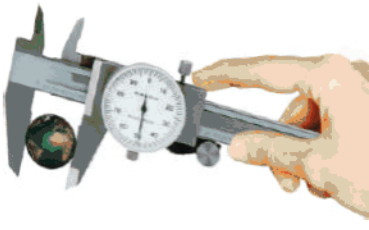
- Rugged construction
- Electrical life as high as 2.7 Million
- Mechanical life as high as 20 Million

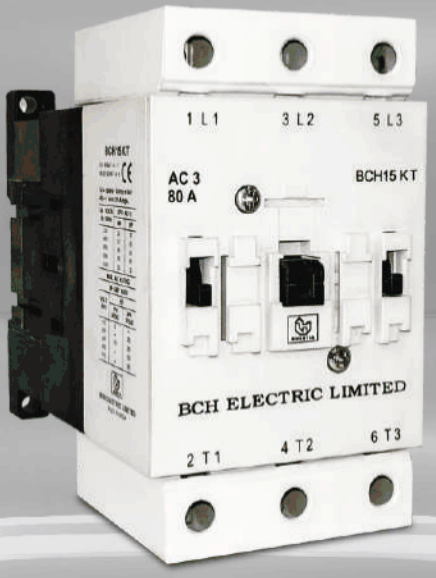
Save more energy

- Lower VA burden coils
- Clean Pick-up
- Sophisticated Electronic control

Most compact design

- Compact construction
- Higher ratings in lower frame sizes





FREEDOM CONTACTORS (4 POLE)

New

Rating : 20A to 500A AC1 (4 Pole)
As per IS/IEC 60947-4-1
Wide band coil in 40A to 100A AC1
Compact & modular construction
More energy saving
Compact mechanical interlocking

CATALOGUE NO		CE15CN4■B-N	BCH4040■	BCH4063■	BCH4080■
Number of Poles		4	4	4	4
POWER CIRCUIT					
Rated insulation Voltage, U_I		690V	690V	690V	690V
Rated Operational Voltage, U_e		415V	415V	415V	415V
Rated withstand inpulse Voltage, U_{imp}		6kV	8kV	8kV	8kV
Conventional thermal current, I_m /AC 1 at 40°C		**20A**	**40A**	**63A**	**80A**
Motar duty:3ph, 415v, 50Hz Utilization Category AC-3		12A	22A	35A	45A
Operating temprature	°C	-20°C to +60°C	-20°C to +55°C	-20°C to +55°C	-20°C to +55°C
Number of built - in Aux Contacts		-	-	-	-
Operating time	Closing time (ms)	16	10-12	10-12	10-12
	Opening time (ms)	12	7-18	7-18	7-18
CONTROL CIRCUIT					
Coil voltage available for 50Hz at, U_e (V)		110, 220, 240, 415	110, 220, 240, 415	110, 220, 240, 415	110, 220, 240, 415
Pick - up	VA	70	68	180	190
Hold - on	VA	6.4	11	22	22
Limits of Operation	Pick - up (%U_e)	85 - 110	55 - 120	50 - 120	65 - 120
	Drop - off (%U_e)	75 - 20	30 - 50	25 - 45	40 - 60
MECHANICAL DATA					
Overall Dimensions H X W X D	mm	75 x 45 x 84	83 x 45 x 88	80 x 83.5 x 91.8	109 x 109 x 120.5
Mounting Dimensions H x W	mm	60 x 34.5	(60-65-70) x 35	(55-58) x 70	80 x 85
Main terminal capacity	With lug (Sq mm)	1 x 6	1 x 6	1 x 16	1 x 35
	Link	-	-	-	1x(12.5mm x 3mm)
	Solid conductors (sq mm)	-	2 x 4	2 x 10	-
	Multistand conductors (sq mm)	-	2 x 2.5	2 x 6	-

■ Suffix for Coil Voltage

FREEDOM CONTACTORS (4 POLE)

New

Rating : 20A to 500A AC1 (4 Pole)

As per IS/IEC 60947-4-1

Wide band coil in 40A to 100A AC1

Compact & modular construction

More energy saving

Compact mechanical interlocking

BCH4100■	BCH4130■	BCH15MN0.4.11.■	BCH15MN.4.11.■	BCH15NN.4.11.■	BCH15PN.4.11.■	BCH4400■	BCH4500■
4	4	4	4	4	4	4	4
690V	690V	1000V	1000V	1000V	1000V	1000V	1000V
415V	415V	415V	415V	415V	415V	415V	415V
8kV	8kV	8kV	8kV	8kV	8kV	8kV	8kV
100A	**130A**	**160A**	**200A**	**250A**	**300A**	**400A**	**500A**
65A	80A	115A	115A	150A	175A	300A	325A
-20^{0}C to +55^{0}C	-20^{0}C to +55^{0}C	-20^{0}C to +60^{0}C	-20^{0}C to +60^{0}C	-20^{0}C to +60^{0}C	-20^{0}C to +60^{0}C	-20^{0}C to +55^{0}C	-20^{0}C to +55^{0}C
-	-	1NO+1NC	1NO+1NC	1NO+1NC	1NO+1NC	2NO+2NC	2NO+2NC
15-35	15-35	30-60	30-60	30-60	30-60	20-45	-
10-25	10-25	30-80	30-80	30-80	30-80	10-25	-
110, 220, 240, 415	110, 220, 240, 415	110, 220, 240, 415	110, 220, 240, 415	110, 220, 240, 415	110, 220, 240, 415	110, 220, 240, 415	110, 220, 240, 415
190	550	350	350	350	350	2100	-
22	36	5	5	5	5	95	-
65 - 120	80 - 100	85 - 110	85 - 110	85 - 110	85 - 110	80 - 100	85 - 110
40 - 60	35 - 65	75 - 20	75 - 20	75 - 20	75 - 20	35 - 65	-
109 x 109 x 120.5	175 x 183.5 x 152	170 x 147 x 162	170 x 147 x 162	170 x 147 x 162	170 x 147 x 162	275 x 248 x 221	275 x 248 x 221
80 x 85	115 x 165	130 x 135	130 x 135	130 x 135	130 x 135	170 x 255	170 x 255
1 x 35	1 x 120	1 x 120	1 x 120	1 x 120	1 x 120	2 x 240	2 x 240
1x(12.5mm x 3mm)	2 x (25mm x 3mm)	2 x (20mm x 3mm)	2 x (20mm x 3mm)	2 x (20mm x 3mm)	2x(20mm x 3mm)	2x(50mm x 5mm)	2x(50mm x 5mm)
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-

■ Suffix for Coil Voltage

ORDERING INFORMATION

▪ COIL VOLTAGE SUFFIX FOR CONTACTORS	Coil Voltage AC	Suffix for AC	Suffix for DC*
▪ SIZE D15CR, CE15AN, BCH15KT, BCH15LT, MCE15RN to SN	24	U	U3
	42	R	-
	48	W	W3
	110	A	A3
	220	B	B3
	240	K	-
	380	L	-
	415	M	-
	440	C	-
	550	D	-

* DC coils are supplied upto size K/ 73A contactors

▪ COIL VOLTAGE CODE FOR CONTACTORS	Coil Voltage AC	Suffix for AC	Suffix for DC*
BCH15MT, BCH15NT, BCH15PT BCH15MN0, BCH15MN, BCH15NN, BCH15PN	24	24	-
	110	110	-
	220/240	220	-
	380	380	-
	440	440	-
	550	550	-

▪ COIL VOLTAGE CODE FOR CONTACTORS	Coil Voltage AC	Suffix for AC	Suffix for DC
BCH55 to BCH64	110	110	110
	220	220	220
	380	380	380
	440	440	440

▪ COIL VOLTAGE CODE FOR CONTACTORS	Coil Voltage AC	Suffix for AC	Suffix for DC
BCH76, BCH78	48	-	W17
	110	A7	A17
	220	B7	B17
	380	L7	-
	440	-	-

▪ COIL VOLTAGE CODE FOR CONTACTORS	Coil Voltage AC	Suffix for AC	Suffix for DC
BCH4	110	A	-
	220	B	-
	240	K	-
	415	M	-

■ Suffix for Coil Voltage

ADD-ON ACCESSORIES - 3P & 4P FREEDOM CONTACTORS

Additional Auxiliary Contact Blocks

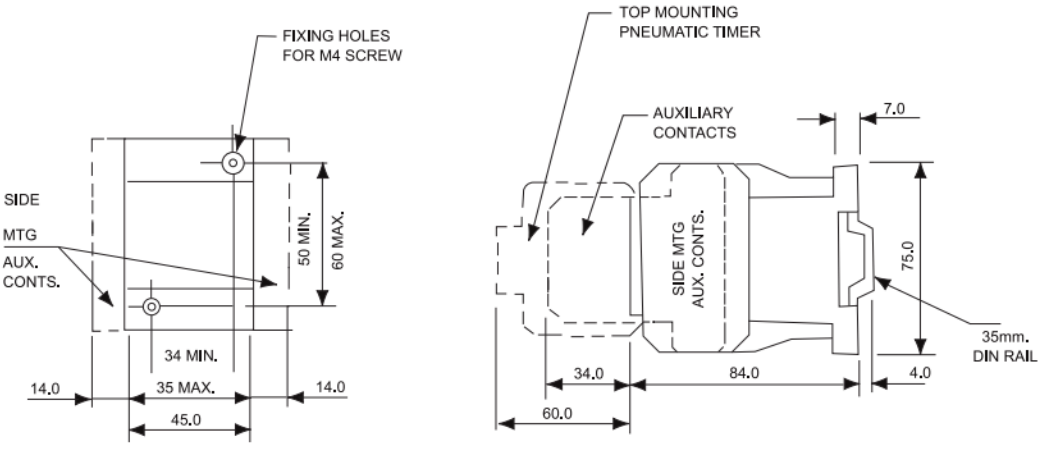
Rated Thermal Current Ith	10A
Rated Insulation Voltage	690V
Operating Frequency	50 - 60 Hz
AC15 Duty at 220/240V	960VA, 4A
DC13 Duty at 220V	110W, 0.5A
Conditional Short Circuit Current	1kA

ACCESSORIES	CONFIGURATION	CAT NO.	CONTACTOR TYPE
Aux. Contact Block (side Mounting)	1NO	C320KGSR10	CE15 & CR
	1NO+1NC	C320KGSR11	
	1NC	C320KGSR01	
	2NO	C320KGSR20	
	1NO+1NC	BCH15S11	BCH15
	1NO+1NC	MC320KB11	MCE15R to MCE15S
	2NO+2NC	EF22	BCH54 to BCH64
	1NO+1NC	EB11	BCH76 to BCH78
	1NO+1NC (1st Left)	BCH4A04041SL11	BCH4040
	1NO+1NC (1st Right)	BCH4A04041SR11	BCH4040
	1NO+1NC (1st Left)	BCH4A06131SL11	BCH4063-130
	1NO+1NC (1st Right)	BCH4A06131SR11	BCH4063-130
4th Neutral Switching Pole	800A	NP800/5	BCH54 to 57
	1000A	NP1000/6	BCH62 to 64
	1000A	NP1000/7	BCH76 to 78
Aux. Contact Block (Front Mounting)	1NO	C320KGTC10	CE15, CR
	1NC	C320KGTC01	
	2NO	C320KGT*20	
	2NC	C320KGT*02	
	1NO+1NC	C320KGT*11	
	2NO+2NC	C320KGT*22	
	3NO+1NC	C320KGT*31	
	4NO	C320KGT*40	
	1NO+3NC	C320KGT*13	
	4NC	C320KGT*04	
	4NO	BCH15T40	BCH15
	3NO+1NC	BCH15T31	
	2NO+2NC	BCH15T22	
	1NO+1NC	BCH15T11	
	1NO	BCH15T10	
	1NC	BCH15T01	
	1NO+1NC	BCH4A0413T11	BCH4040-063
Pneumatic Timer Block "On/Off" Delay site selectable	1NO+1NC (0.1 to 30 sec)	C320TP1	CE15, CR, BCH15
	1NO+1NC (0.1 to 180 sec)	C320TP2	
Mechanical Interlocks	-	C321KM60	CE15, CR
	-	MC321KM3	MCE15R to MCE15S
	H-Horizontal	BM5H / BM5V	BCH54 to 57
		BM6H / BM6V	BCH62 to 64
		BM7H / BM7V	BCH76 to 78
	V-Vertical	BM0H	BCH15
		BM3H	
		BCH4M0404	BCH4040
		BCH4M0608	BCH4063-080
		BCH4M1013	BCH4100-130#
		BCH4M4040	BCH4400
Coil Surge Suppressors	24-48V (50/60Hz)	MC320LR11	CE15, CR
	110-240V (50/60Hz)	MC320LR12	

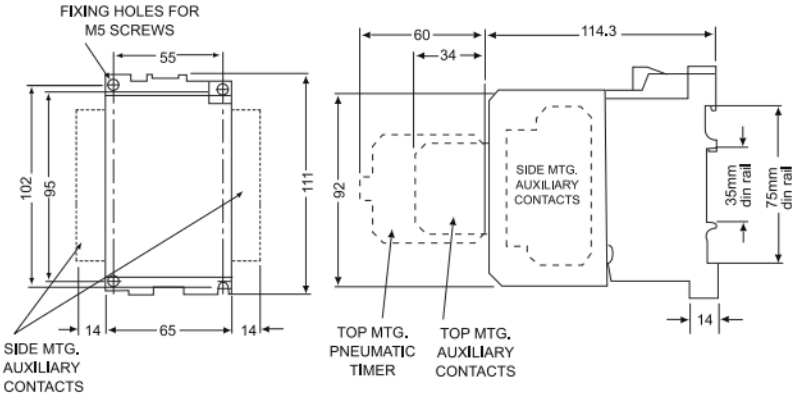
*Add suffix C for Power Contactors & R for control relays Mechanical interlock for BCH4100-130 comes with 2left & 2right side add-on aux. blocks i.e. 4NO+4NC

CONTACTOR DIMENSION - 3P FREEDOM (in mm)

CE15AN TO FN

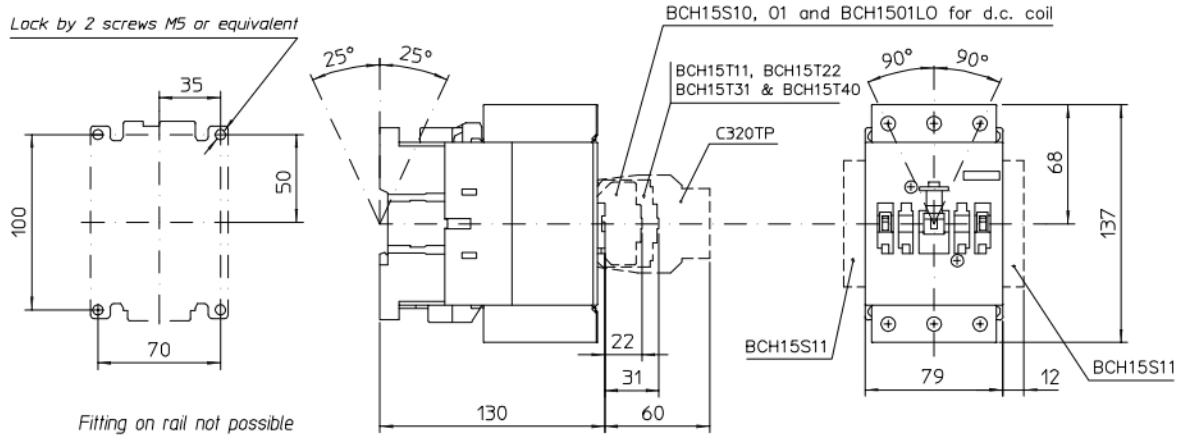


CE15GN TO K1N

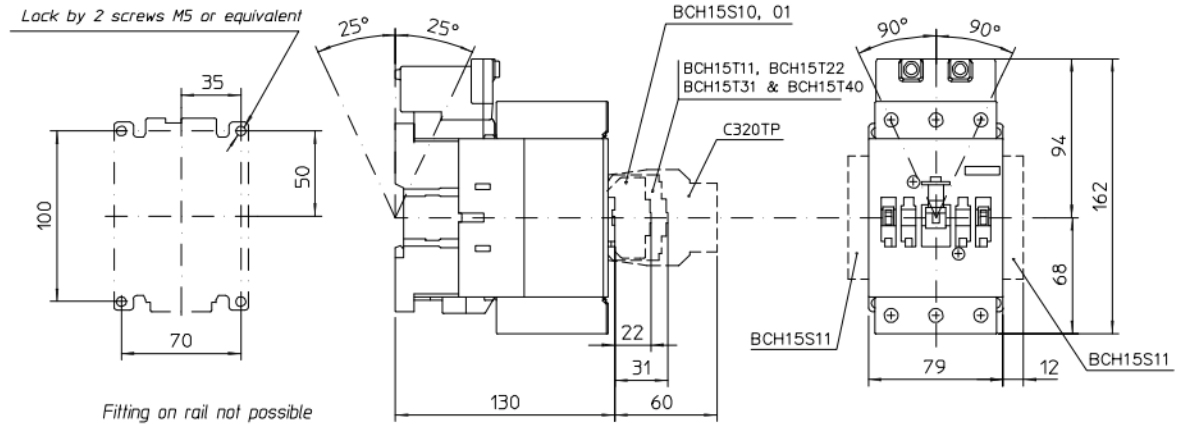


CONTACTOR DIMENSION - 3P FREEDOM (in mm)

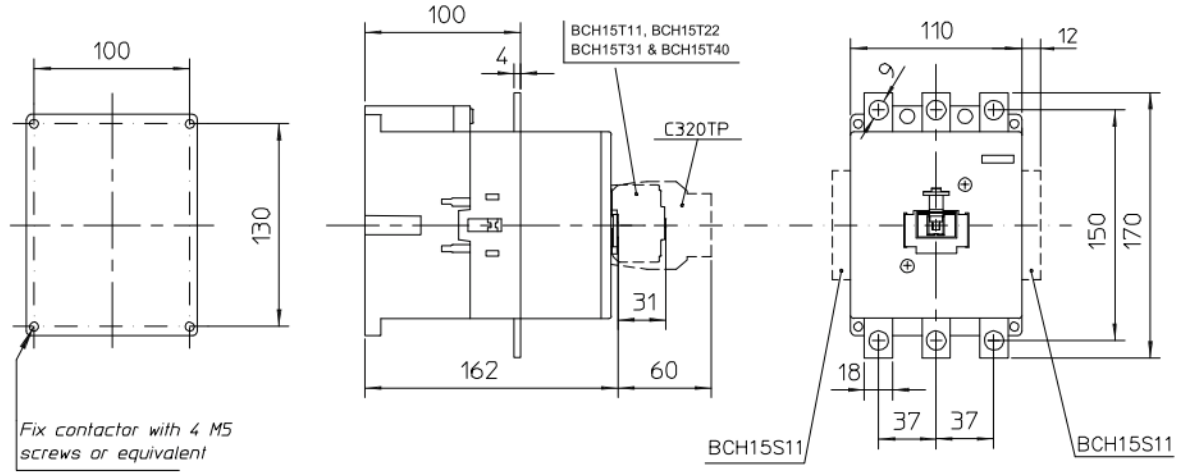
BCH15KT/LT



BCH15MT

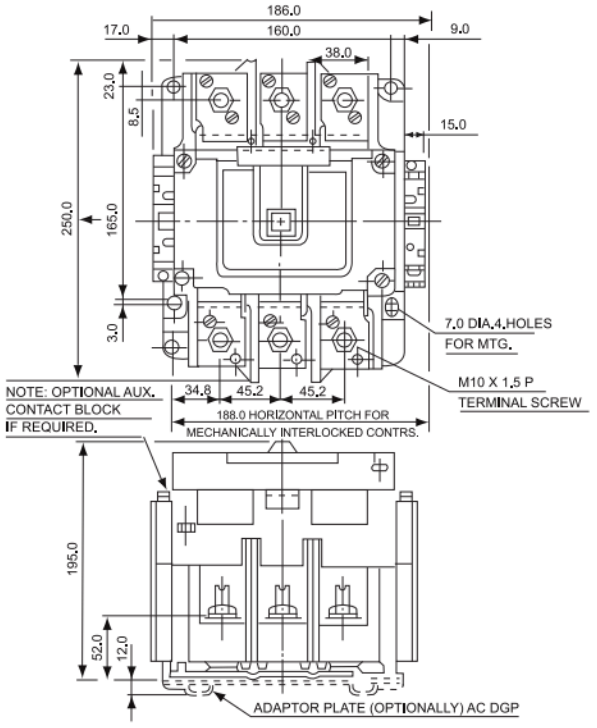


BCH15NT/PT

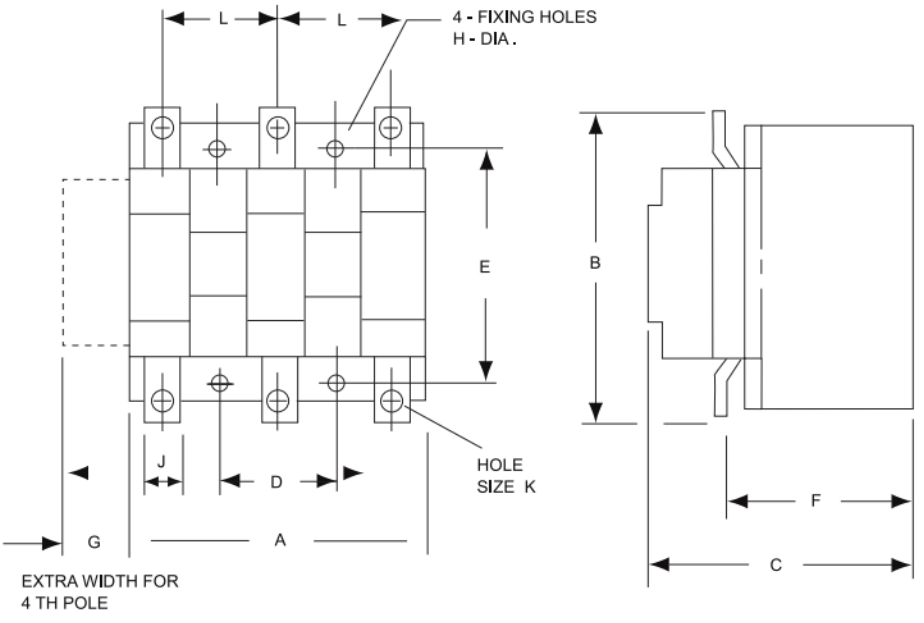


CONTACTOR DIMENSION - 3P FREEDOM (in mm)

MCE15RN TO SN



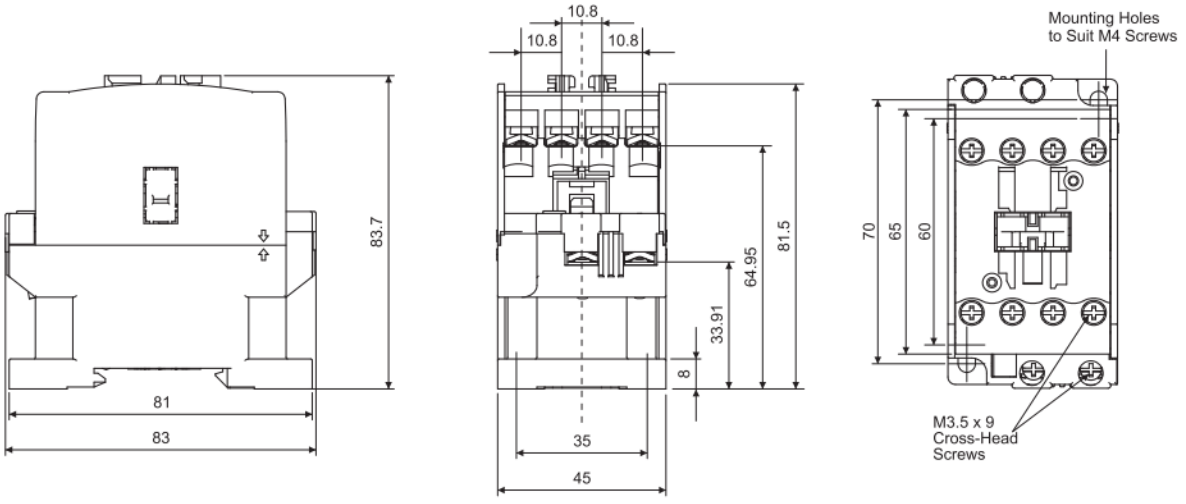
BCH54 TO BCH78



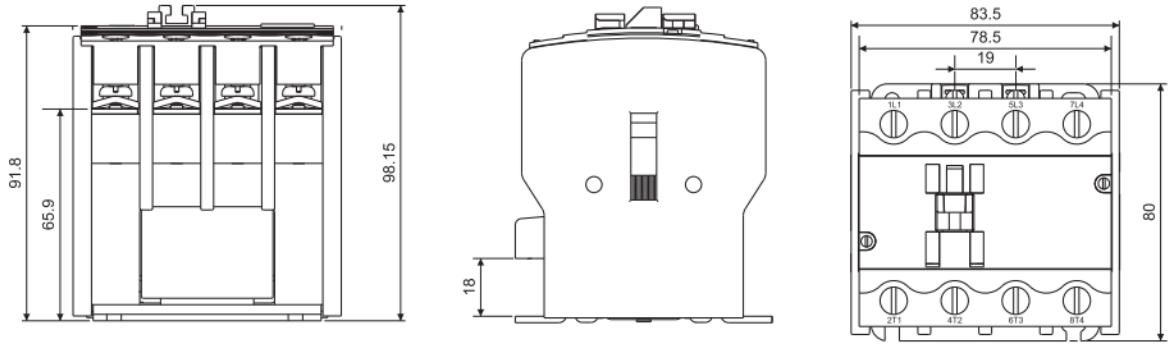
	A	B	C	D	E	F	G	H	J	K	L	Mechanical Interlock mounting matrix		Weight kg.
												Horiz.	Vert.	
BCH 54	220	233	225	110	220	160	72	8	30	10.5	80	262	314	13
BCH 55	220	233	225	110	220	160	72	8	30	10.5	80	262	314	13
BCH 57	220	258	225	110	220	160	72	8	40	12.5	80	262	314	13.5
BCH 62	280	307	291	175	280	200	90	10	50	13	100	312	380	26
BCH 64	280	361	291	175	280	200	90	10	50	15	100	312	380	28
BCH 76	334	490	345	120	380	220	111	12	50	17X2	100	380	580	49
BCH 78	334	490	345	120	380	220	111	12	60	17X2	100	380	580	53

CONTACTOR DIMENSION - 4P FREEDOM (in mm)

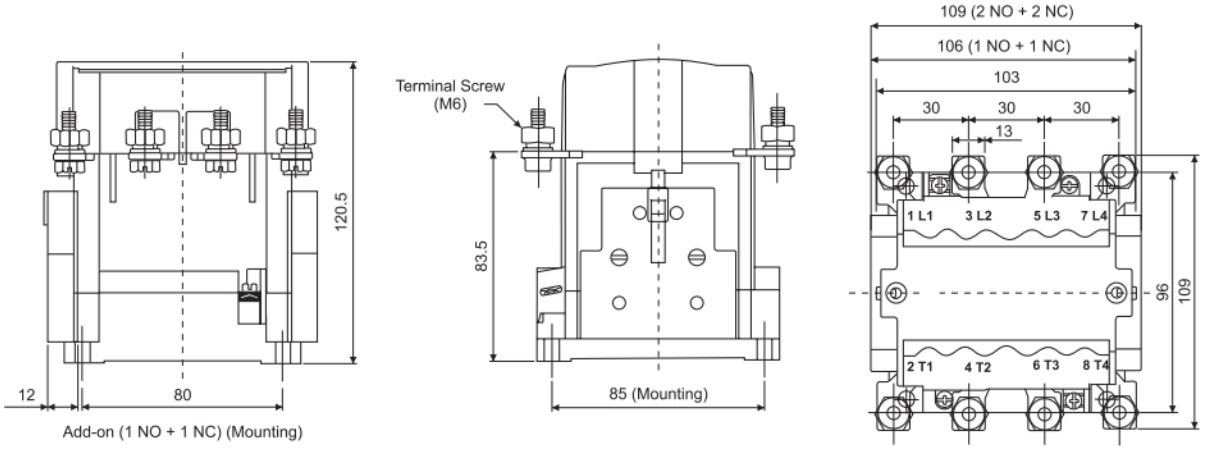
BCH4040



BCH4063 /080

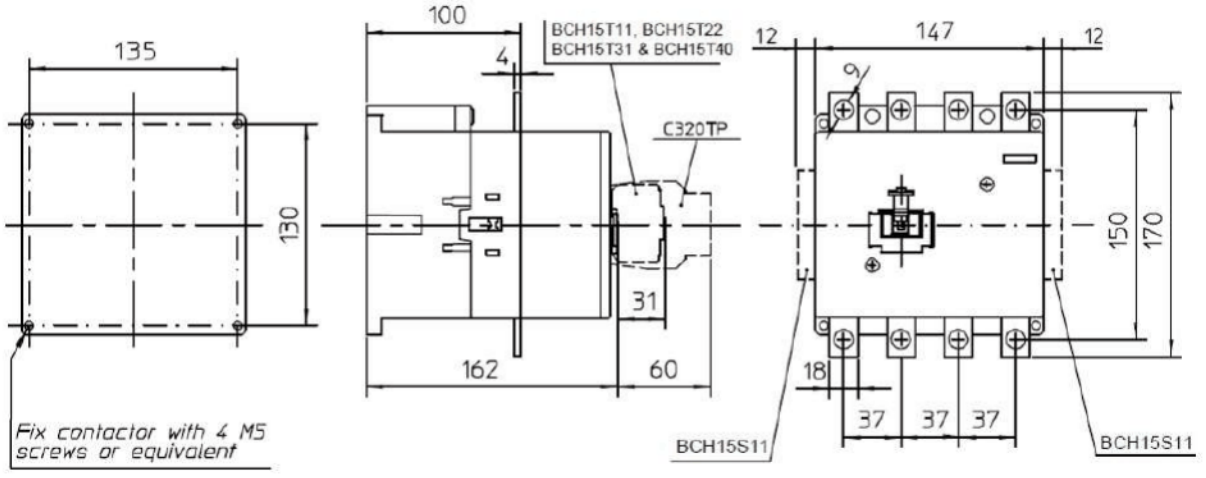
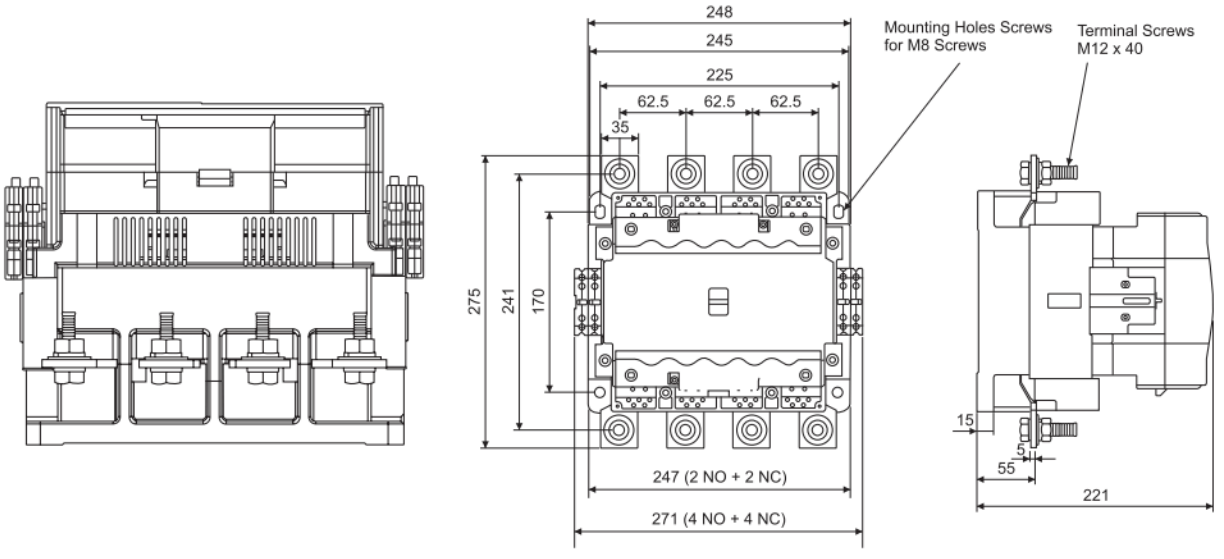


BCH4100 / 130



CONTACTOR DIMENSION - 4P FREEDOM (in mm)

BCH15 MN0 / MN / NN / PN



BCH4400 / BCH4500