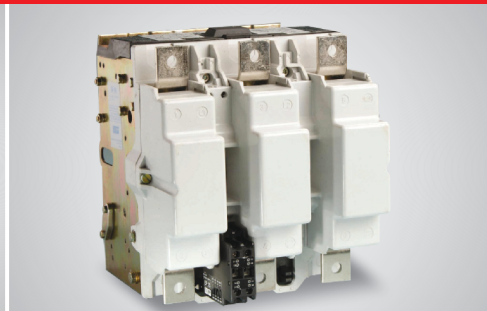
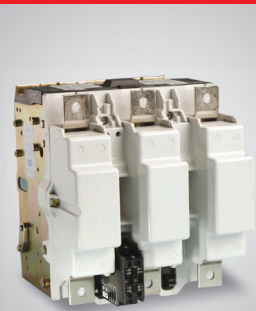
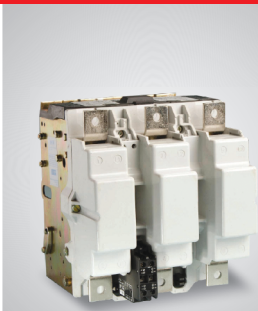


CONTACTOR GENERAL CHARACTERISTICS Standard - IS/IEC 60947-4-1

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	mm ²	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	
Transformer 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