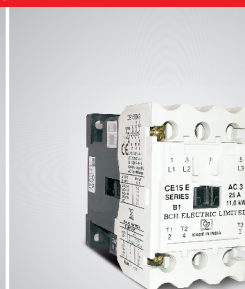


CONTACTOR GENERAL CHARACTERISTICS Standard - IS/IEC 60947-4-1

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	mm ²	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									
Transformer 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