



Contactors Selection Guide

TYPE	POWER (W)	C(yF)	I(A)	MESB-20NC MESB-20NO	MESB-24NC MESB-24NO	MESB-40NC MESB-40NO	MESB-63NC MESB-63NO
Incandescent Lamps	60	-	0.26	23	29	65	85
	100	-	0.43	14	16	40	50
	200	-	0.87	7	8	20	25
	500	-	2.17	3	3	8	10
	1000	-	4.35	1	1	4	5
Fluorescent Lamps uncorrected and Series correction	18	-	0.37	22	24	90	140
	24	-	0.35	22	24	90	140
	36	-	0.43	17	20	65	95
	58	-	0.67	14	17	45	70
Fluorescent Lamps lead-lag circuit	18	-	0.11	2 x 30	2 x 40	2 x 100	2 x 150
	24	-	0.14	2 x 24	2 x 31	2 x 78	2 x 118
	36	-	0.22	2 x 17	2 x 24	2 x 65	2 x 95
	58	-	0.35	2 x 10	2 x 14	2 x 40	2 x 60
Fluorescent Lamps Parallel correction	18	4.5	0.12	7	8	48	73
	24	4.5	0.15	7	8	48	73
	36	4.5	0.2	7	8	48	73
	58	7	0.32	4	5	31	47
Fluorescent Lamps with electronic ballast units (EVG)	1 x 18	-	0.09	25	35	100	140
	1 x 36	-	0.16	15	20	52	75
	1 x 58	-	0.25	14	19	50	72
	2 x 18	-	0.17	12	17	50	70
	2 x 36	-	0.32	7	10	26	38
	2 x 58	-	0.49	7	9	25	36
High-pressure Mercury-vapour Lamps uncorrected	50	-	0.61	14	18	38	55
	80	-	0.8	10	13	29	42
	125	-	1.15	7	9	20	29
	250	-	2.15	4	5	10	15
	400	-	3.25	2	3	7	10
	700	-	5.4	1	2	4	6
High Pressure Mercury-vapour Lamps Parallel correction	1000	-	7.5	1	1	3	4
	50	7	0.28	4	5	31	47
	80	8	0.41	4	5	27	41
	125	10	0.65	3	4	22	33
	250	18	1.22	1	2	12	18
	400	25	1.95	1	1	9	13
Halogen metal-vapour Lamps uncorrected	700	45	3.45	-	-	5	7
	1000	60	4.8	-	-	4	5
	35	-	0.53	18	22	43	60
	70	-	1	10	12	23	32
	150	-	1.8	5	7	12	18
	250	-	3	3	4	7	10
Halogen metal-vapour Lamps Parallel correction	400	-	3.5	3	3	6	9
	1000	-	9.5	1	1	2	3
	2000	-	16.5	-	-	1	1
	35	6	0.25	5	6	36	50
	70	12	0.45	2	3	18	25
	150	20	0.75	1	1	11	15
High-pressure Sodium-vapour Lamps uncorrected	250	33	1.5	-	1	6	9
	400	35	2.5	-	1	6	8
	1000	95	5.8	-	-	2	3
	2000	148	11.5	-	-	1	2
High-pressure Sodium-vapour Lamps parallel	150	-	1.8	5	6	17	22
	250	-	3	3	4	10	13
	400	-	4.7	2	2	6	8
	1000	-	10.3	-	1	3	3
Low-pressure Sodium-vapour Lamps uncorrected	150	20	0.83	1	1	11	16
	250	33	1.5	-	1	6	10
	400	48	2.4	-	-	4	6
	1000	106	6.3	-	-	2	3
Low-pressure Sodium-vapour Lamps Parallel correction	18	-	0.35	22	27	71	90
	35	-	1.5	7	9	23	30
	55	-	1.5	7	9	23	30
	90	-	2.4	4	5	14	19
	135	-	3.5	3	4	10	13
	180	-	3.3	3	4	10	13
Low-pressure Sodium-vapour Lamps Parallel correction	18	5	0.35	6	7	44	66
	35	20	0.31	1	1	11	16
	55	20	0.42	1	1	11	16
	90	26	0.63	1	1	8	12
	135	45	0.94	-	-	4	7
	180	40	1.16	-	-	5	8

Thermal Rating per Pole

Motor Rating AC3 (kW)

	230V	400V
MESB-20NC MESB-20NO	20	1.3
MESB-24NC MESB-24NO	24	2.2
MESB-40NC MESB-40NO	40	5.5
- MESB-63NO	63	8.5

AC Ratings in accordance with BSEN60947-5-1 and BSEN 60947-4-1

Definitions: AC1 Primarily Resistive Load but may be slightly inductive AC3 Medium-Starting-duty motors, starting and switching off of squirrel-cage motors