

⚠ Important Safety Notice

It is the responsibility of the person installing the electrical equipment to ensure that the installation meets the requirements of the IET wiring regulations and is therefore 'fit for purpose'. Factors such as correct selection of components, cable sizing, protective devices and Earth bonding are all critical and should be checked prior to full testing and power-up. Any other regulations applicable to the equipment being installed such as the Machinery Directive and current health and safety legislation must also be adhered to.

All connections (including factory made) must be checked for the correct tightness prior to commissioning of the electrical installation.

All connections should be checked periodically to ensure correct tightness.

DO NOT USE POWER TOOLS ON THESE PRODUCTS

2 Pole Modular Contactor (1 Module)



Part Number	Description
EUC1-20-2P	2 N/O 20A 230V AC Coil
EUC1-20-2NC	2 N/C 20A 230V AC Coil
EUC1-25-2P	2 N/O 25A 230V AC Coil
EUC1-25-2NCP	2 N/C 25A 230V AC Coil
EUC1-20-2NOB	2 N/O 20A 24V AC Coil
EUC1-20-2NCB	2 N/C 20A 24V AC Coil
EUC1-20-2NONCP	1N/O + 1 N/C 20A 230V AC Coil

4 Pole Modular Contactor (2 Module)



Part Number	Description
EUC2-25-4P	4N/O 25A 230V AC Coil
EUC2-25-4NCP	4N/C 25A 230V AC Coil
EUC2-25-4NOB	4N/O 25A 24V AC Coil
EUC2-25-4NCB	4N/C 25A 24V AC Coil
EUC2-25-2NO2NCP	2N/O + 2N/C 20A 230V AC Coil

4 Pole Modular Contactor (3 Module)



Part Number	Description
EUC3-40-4P	4 N/O 40A 230V AC Coil
EUC3-40-4NCP	4 N/C 40A 230V AC Coil
EUC3-40-4NOB	4 N/O 40A 24V AC Coil
EUC3-40-4NCB	4 N/C 40A 24V AC Coil
EUC3-63-4P	4 N/O 63A 230V AC Coil
EUC3-63-4NCP	4 N/C 63A 230V AC Coil
EUC3-63-4NOB	4 N/O 63A 24V AC Coil
EUC3-63-4NCB	4 N/C 63A 24V AC Coil

Modular Contactor Spec.	EUC1-20-2P	EUC1-25-2P	EUC2-25-4P	EUC3-40-4P	EUC3-63-4P
No. of Modules Wide	1 Module		2 Modules	3 Modules	
Width (mm)	18mm		36mm	54mm	
Rated current (In)	20A	25A		40A	63A
Rated Insulation Voltage (Ui)	400VAC		500VAC		
Rated Operating Voltage (Un)	240VAC		400VAC		
Rated Operation Current AC1 (Ie)	20A	25A		40A	63A
Rated Operation Current AC3 (Ie)	9A			25A	32A
Rated Power AC1	4KW (230VAC)		16KW	28KW	40KW
Rated powerAC3	-	-	4KW	12KW	15KW
Rated Terminal Capacity	1.5-10mm2			2.5-25mm2	
Rated Terminal Capacity (Coil)	0.75-2.5mm2				

NOTE! For LED Lighting use AC-3 Ratings

	Lamp Data		Permissible number of lamps per circuit (230V, 50Hz) Contactor type EUC:				Capacitor Load in uF
Lamp Type	Watt	In A	20A	25A	40A	63A	
Incandescent lamps	60	0.26	21	25	54	83	
	100	0.43	13	15	32	50	
	200	0.87	7	7	16	25	
	300	1.30	4	5	11	16	
	500	2.17	3	3	6	10	
	1000	4.35	1	1	3	5	
Fluorescent lamps, p.f. un-corrected & series p.f. correction	15	0.33	25	30	100	155	
	20	0.37	22	26	85	135	
	40	0.43	17	20	65	105	
	58	0.67	10	12	40	65	
	65	0.67	10	12	40	65	
	115	1.5	4	5	18	28	
140	1.5	4	5	18	28		
Lead-lag circuit	2 x 20	2 x 0.13	2 x 22	2 x 26	2 x 85	20 x 140	
	2 x 40	2 x 0.22	2 x 17	2 x 20	2 x 65	2 x 105	
	2 x 58	2 x 0.32	2 x 10	2 x 12	2 x 40	2 x 65	
	2 x 65	2 x 0.34	2 x 10	2 x 12	2 x 40	2 x 65	
	2 x 115	2 x 0.65	2 x 4	2 x 5	2 x 18	2 x 28	
	2 x 140	2 x 0.75	2 x 4	2 x 5	2 x 18	2 x 28	
Parallel p.f. correction	15	0.11	6	8	16	67	4.5
	20	0.13	6	8	16	67	4.5
	40	0.22	6	8	16	67	4.5
	58	0.32	4	5	10	43	7
	65	0.34	4	5	10	43	7
	115	0.65	1	2	4	17	18
140	0.75	1	2	4	17	18	
High-pressure mercur-vapour lamps p.f. uncorrected	50	0.61	12	14	36	50	
	80	0.8	7	10	27	38	
	125	1.15	5	7	19	26	
	250	2.15	3	4	10	14	
	400	3.25	1	2	7	10	
	700	5.40	-	1	4	6	
	1000	7.5	-	1	3	4	
	2000 / 400V	8	-	1	3	4	
Parallel p.f. correction	50	0.28	4	5	10	43	7
	80	0.41	3	4	8	37	8
	125	0.65	2	3	6	26	10
	250	1.22	1	2	3	15	18
	400	1.95	-	1	3	10	25
	700	3.45	-	-	1	5	45
	1000	4.8	-	-	1	4	60
	2000 / 400V	5.45	-	1	2	3	35
Lamps with electronic ballast units (EVG)	EVG for Watt		Permissible number of electronic ballast units per circuit (230V, 50 Hz)				
	1 x 18 -		15	24	55	76	
	2 x 18 -		8	18	34	48	
	1 x 36 -		12	16	34	47	
	2 x 36 -		7	11	20	29	
	1 x 58 -		11	14	32	46	
	2 x 58 -		6	8	17	24	

	Lamp Data		Permissible number of lamps per circuit (230V, 50Hz) Contactor type EUC:				Capacitor Load in uF	
Lamp Type	Watt	In A	20A	25A	40A	63A		
Halogen metal-vapour lamps, p.f.	35	0.53	-	10	28	38		
	70	1	-	5	14	20		
	150	1.8	-	3	8	11		
	250	3	-	2	5	7		
	400	3.5	-	1	4	6		
	1000	9.5	-	-	1	2		
	2000	16.5	-	-	1	1		
	2000 / 3500 / 400V	10.5 18 -	- - -	- - -	2 1 -	2 1 -		
Parallel p.f. correction	35	0.25	-	5	11	30	6	
	70	0.45	-	3	5	18	12	
	150	0.75	-	1	3	9	20	
	250	1.5	-	1	2	7	33	
	400	2.5	-	1	2	6	35	
	1000	5.8	-	-	-	2	95	
	2000	11.5	-	-	-	1	148	
	2000 / 3500 / 400V	6.6 11.6	- -	- -	1 -	2 1	58 100	
Low-pressure mercury-vapour lamps p.f.	35	1.5	5	8	22	30		
	55	1.5	5	8	22	30		
	90	2.4	3	5	13	19		
	135	3.5	2	3	10	13		
	150	3.3	2	3	10	14		
	180	3.3	2	3	10	14		
	200	2.3	3	5	14	20		
	35	0.31	-	1	4	15		20
	55	0.42	-	1	4	15		20
	90	0.63	-	1	3	10		30
	135	0.94	-	-	2	7		45
	150	1.0	-	-	2	8		40
	180	1.16	-	-	2	8		40
	200	1.32	-	1	3	12		25
High-pressure sodium-vapour lamps p.f.	150	1.8	-	4	15	20		
	250	3.0	-	3	9	15		
	330	3.7	-	2	8	10		
	400	4.7	-	1	6	8		
	1000	10.3	-	-	3	4		
	150	0.83	-	1	3	15	20	
	250	1.5	-	1	2	9	33	
	330	2.0	-	-	2	7	40	
	400	2.4	-	-	1	6	48	
	1000	6.3	-	-	-	2	106	
	Transformers for Watt		Permissible number of transformers per circuit (230V, 50Hz)					
	20		40	52	110	174		
	50		20	24	50	80		
	75		13	16	35	54		
	100		10	12	27	43		
	150		7	9	19	29		
	200		5	6	14	23		
	300		3	4	9	14		

