



Park Electrical Services

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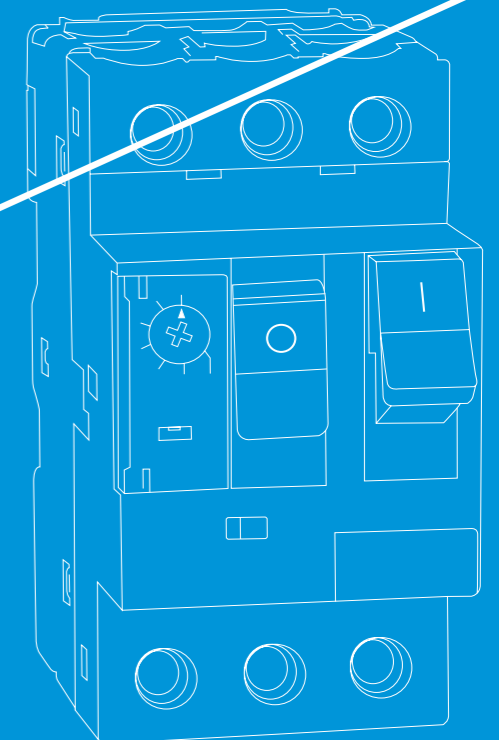
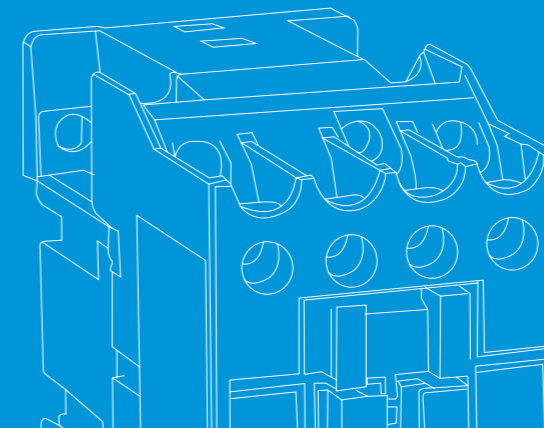
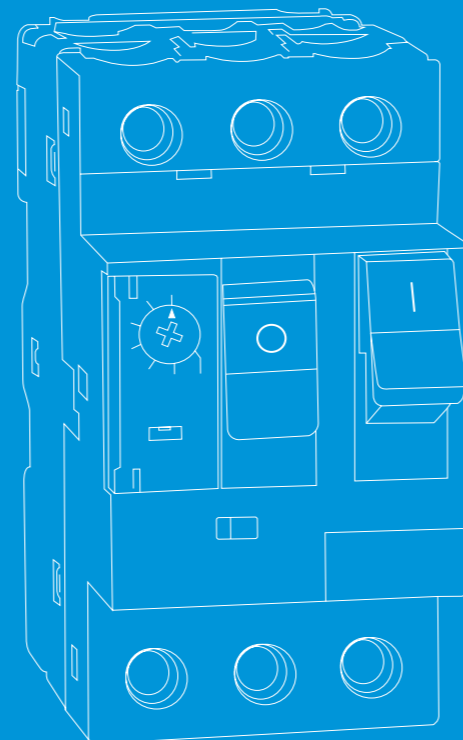
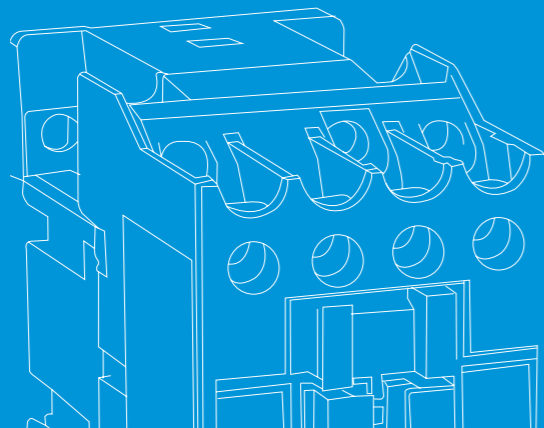
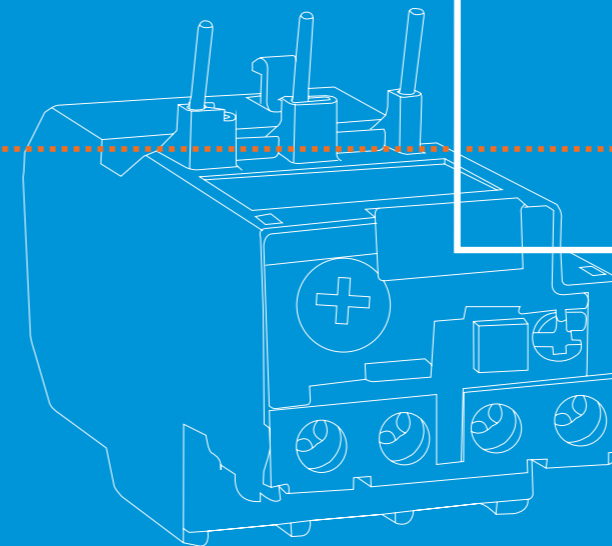
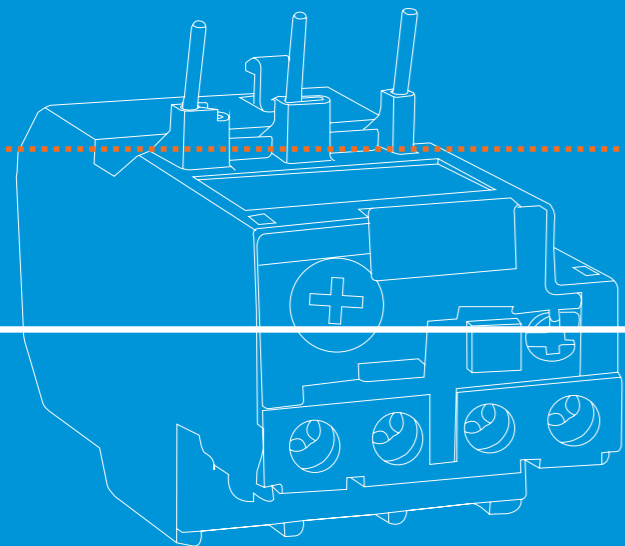
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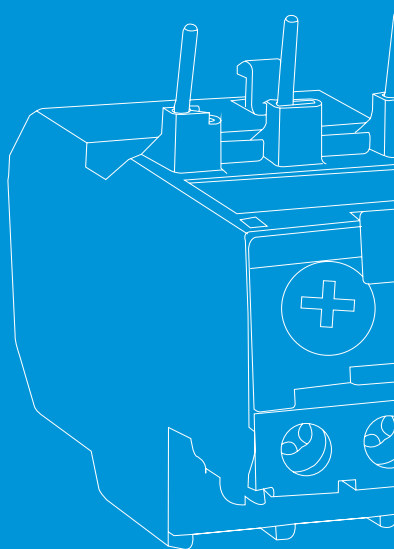
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INDUSTRIAL CONTROL ELECTRIC 2020



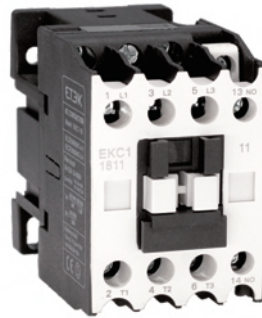
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EKC1-0910



EKC1-1811



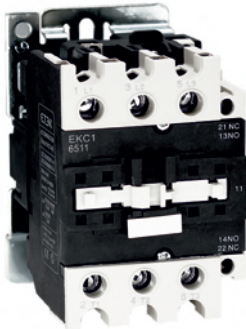
EKC1-2510

Technical Data

Description

Application	Remote making & breaking circuits Protect circuit from over-load when assembling with thermal over-load relay Frequent start-up and control of AC contactor
Electric value	AC50/60Hz, 690V, up to 95A
Utilization category	AC-3, AC-4
Altitude	≤2000m
Ambient temperature	-5°C~+40°C
Mounting category	III
Mounting conditions	Inclination between the mounting plane and the vertical plane should not exceed ±5°
Standard	IEC/EN 60947-4-1. IEC/EN 60947-5-1.

Model	Description	Price
EKC1-1211	12AMP ETEK 3 POLE CONTACTOR WITH 1NO/1NC AUXILIARY	
EKC1-1811	18AMP ETEK 3 POLE CONTACTOR WITH 1NO/1NC AUXILIARY	
EKC1-2511	25AMP ETEK 3 POLE CONTACTOR WITH 1NO/1NC AUXILIARY	
EKC1-3211	32AMP ETEK 3 POLE CONTACTOR WITH 1NO/1NC AUXILIARY	
EKC1-40	40AMP ETEK 3 POLE CONTACTOR WITH 1NO/1NC AUXILIARY	
EKC1-65	65AMP ETEK 3 POLE CONTACTOR WITH 1NO/1NC AUXILIARY	
EKC1-95	95AMP ETEK 3 POLE CONTACTOR WITH 1NO/1NC AUXILIARY	
PLEASE SELECT YOUR COIL VOLTAGE AND USE PREFIX IN YOUR PART NUMBER		
24VAC	B7	
48VAC	E7	
110VAC	F7	
230VAC	P7	
400VAC	R7	
24VDC	BD	



EKC1-6511



EKC1-9511

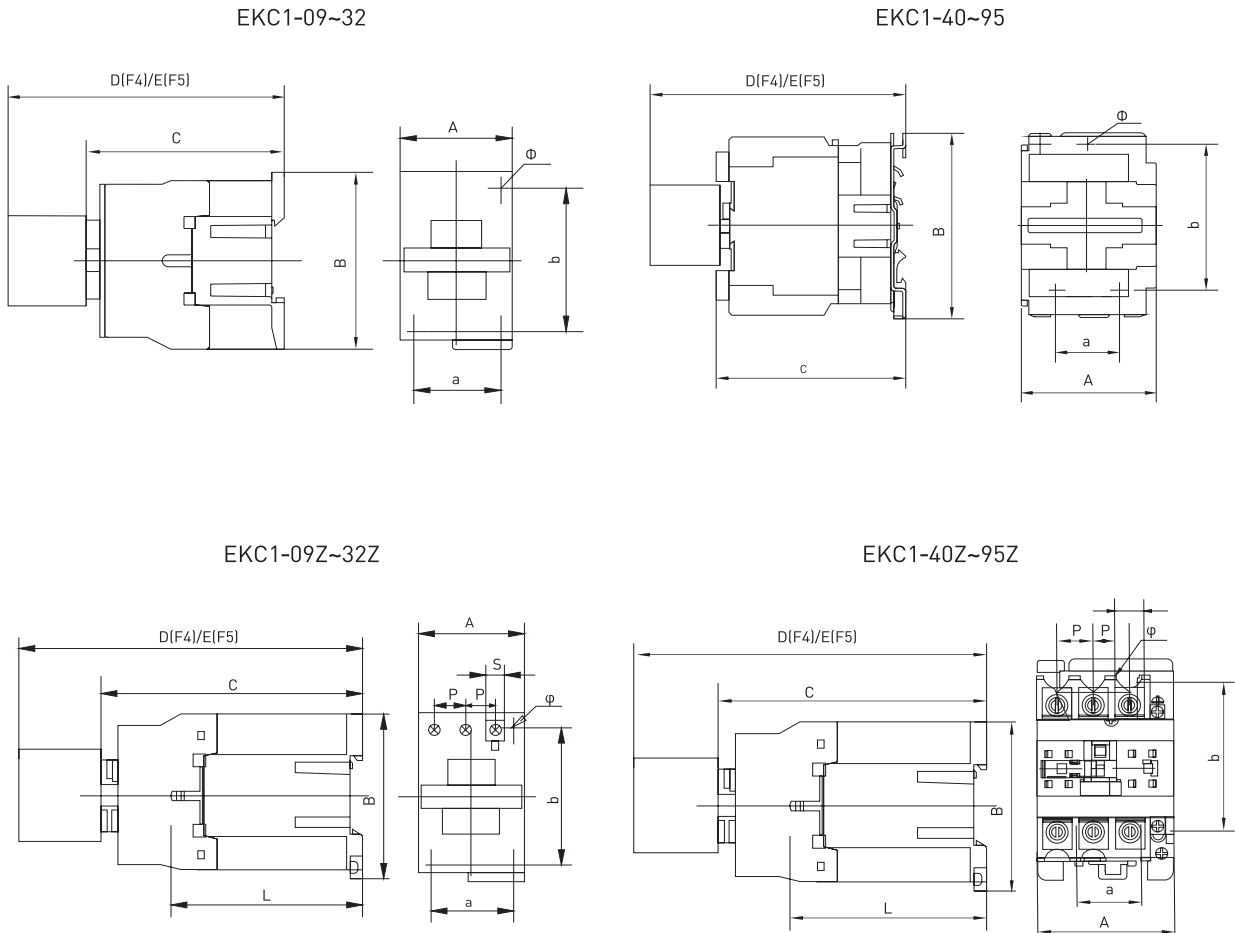
Technical Data

Technical Specification

Standard	IEC/EN60947-4-1 IEC/EN60947-5-1					
Model No.	EKC1-09	EKC1-12	EKC1-18	EKC1-25	EKC1-32	
Rated Conventional Heating Current	Ith(A)	20	20	32	40	50
Rated Voltage Ui(V)	Ui(V)	690	690	690	690	690
Rated Operation Current Ue=380/415V	AC-3 Ie(A)	9	12	18	25	32
	AC-4 Ie(A)	3.5	5	7.7	8.5	12
Power Controlled 3ph cage Motor AC-3	220/240V KW	2.2	3	4	5.5	7.5
	380/415V KW	4	5.5	7.5	11	15
	660/690V KW	5.5	7.5	10	15	18.5
Electrical life(x10 ³ operations)	AC-3	1000	1000	1000	1000	800
	AC-4	200	200	200	200	200
Mechanical life(x10 ⁶ operations)		10	10	10	10	8
Matched Fuse	Size	RT16-00	RT16-00	RT16-00	RT16-00	RT16-00
	A	20	20	32	40	50
Main circuit		3P or 4P				
Auxiliary circuit Cat.:AC-15,Ue=415V Ie=0.95A Ith=10A		1NO / 1NC / 1NO + 1NC				

Standard	IEC/EN60947-4-1 IEC/EN60947-5-1					
Model No.	EKC1-40	EKC1-50	EKC1-65	EKC1-80	EKC1-95	
Rated Conventional Heating Current	Ith(A)	60	80	80	100	125
Rated Voltage Ui(V)	Ui(V)	690	690	690	690	690
Rated Operation Current Ue=380/415V	AC-3 Ie(A)	40	50	65	80	95
	AC-4 Ie(A)	18.5	24	28	37	44
Power Controlled 3ph cage Motor AC-3	220/240V KW	11	15	18.5	22	25
	380/415V KW	18.5	22	30	37	45
	660/690V KW	30	33	37	45	45
Electrical life(x10 ³ operations)	AC-3	800	600	600	600	600
	AC-4	150	150	150	100	100
Mechanical life(x10 ⁶ operations)		8	8	8	6	6
Matched Fuse	Size	RT16-00	RT16-00	RT16-00	RT16-00	RT16-00
	A	63	80	80	100	125
Main circuit		3P or 4P				
Auxiliary circuit Cat.:AC-15,Ue=415V Ie=0.95A Ith=10A		1NO + 1NC				

Overall and Mounting Dimension(mm)



Note:

1. L: in main circuit, the distance between terminals and plate;
2. P: in main circuit, the distance between two phases;
3. S: in main circuit, the width of contacting plate.

Model	A Max	B Max	C Max	D Max	E Max	a	b	Φ	L	P	S
EKC1-09(Z)~12(Z)	47	76	82(116)	125.5(160.5)	140.5(174.5)	34/35	50/60	4.5	60(95)	10.5	8.6
EKC1-18(Z)	47	76	87(122)	120.5(154.5)	145.5(180.5)	34/35	50/60	4.5	61(96)	11.3	10.4
EKC1-25(Z)	57	86	95(131)	133.5(169.5)	153.5(189.5)	40	48	4.5	70(107)	13.2	11.7
EKC1-32(Z)	57	86	100(138)	138.5(176.5)	158.5(196.5)	40	48	4.5	71.6(120)	14.5	13
EKC1-4011(Z)~6511(Z)	77	129	116(173)	154.5(211.5)	174.5(231.5)	40	100/110	6.5	78(135)	20	8.6
EKC1-4004/4008(Z)~6504/6508(Z)	84	129	116(173)	154.5(211.5)	174.5(231.5)	40	100/110	6.5	78(135)	20	8.6
EKC1-8011(Z)~9511(Z)	87	129	127(183)	165.5(226.5)	185.5(246.5)	40	100/110	6.5	83(140)	23.5	12
EKC1-8004/8008(Z)~9504/9508(Z)	96	129	127(183)	160.5(221.5)	180.5(241.5)	40	100/110	6.5	83(140)	23.5	12



EKC1-150



EKC1-265

Technical Data

Description

Application	Remote making & breaking circuits Protect circuit from over-load when assembling with thermal over-load relay Frequent start-up and control of AC contactor
Electric value	AC50/60Hz, 690V, up to 1000A
Utilization category	AC-3, AC-4
Altitude	≤2000m
Ambient temperature	-5°C~+40°C
Mounting category	III
Mounting conditions	Inclination between the mounting plane and the vertical plane should not exceed ±5°
Standard	IEC/EN 60947-4-1

Model	Description	Price
EKC1-115	115AMP ETEK 4 POLE CONTACTOR	
EKC1-225	225AMP ETEK 4 POLE CONTACTOR	
EKC1-400	400AMP ETEK 4 POLE CONTACTOR	
EKC1-630	630AMP ETEK 4 POLE CONTACTOR	
PLEASE SELECT YOUR COIL VOLTAGE AND USE PREFIX IN YOUR PART NUMBER		
24VAC	B7	
48VAC	E7	
110VAC	F7	
230VAC	M7	
400VAC	R7	



EKC1-400



EKC1-630

Technical Data

Technical Specification

Standard	IEC/EN60947-4-1						
Model No.		EKC1-115	EKC1-150	EKC1-185	EKC1-225	EKC1-265	EKC1-330
Rated Conventional Heating Current	Ith(A)	200	200	275	275	315	380
Rated Voltage Ui(V)	Ui(V)	690	690	690	690	690	690
Rated Operation Current Ue=380/415V	AC-3 Ie(A)	115	150	185	225	265	330
	AC-4 Ie(A)	52	60	79	86	105	117
Power Controlled 3ph cage Motor AC-3	380/415V KW	55	75	90	110	132	160
	660/690V KW	80	100	110	129	160	220
Electrical life(x10 ³ operations)	AC-3	600	600	300	300	300	300
	AC-4	100	100	100	100	100	100
Mechanical life(x10 ⁶ operations)		6	6	3	3	3	3
Matched Fuse	Size	RT16-1	RT16-2	RT16-2	RT16-2	RT16-2	RT16-3
	A	200	225	315	315	355	450
Main circuit		3P or 4P					

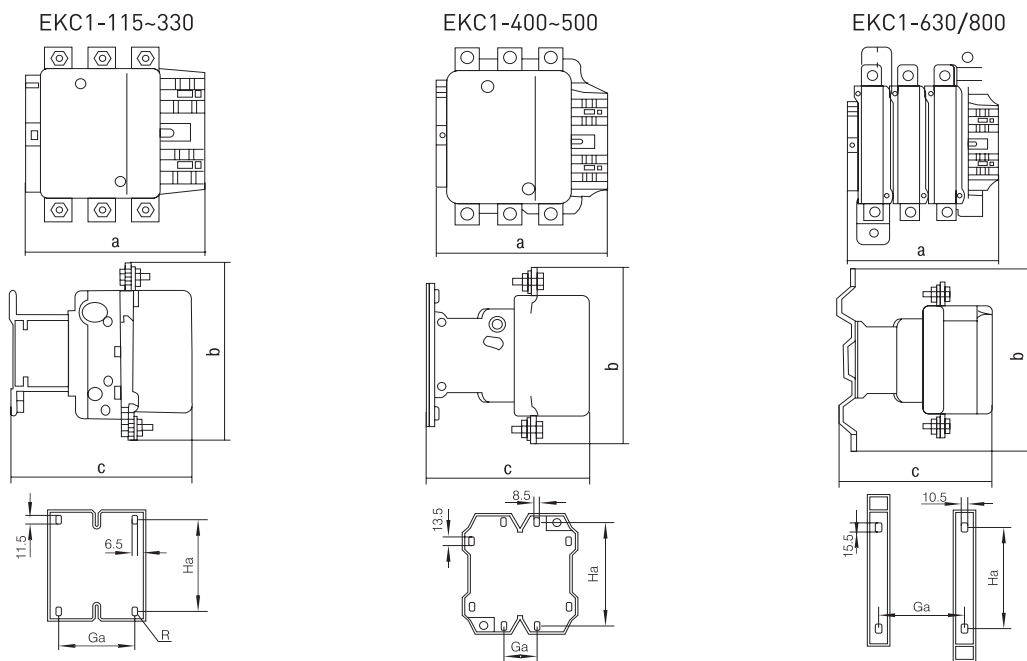
Technical Specification

Standard	IEC/EN60947-4-1						
Model No.		EKC1-400	EKC1-500	EKC1-630	EKC1-780	EKC1-800	EKC1-1000
Rated Conventional Heating Current	Ith(A)	460	580	850	1200	850	1200
Rated Voltage Ui(V)	Ui(V)	690	690	690	690	690	690
Rated Operation Current Ue=380/415V	AC-3 Ie(A)	400	500	630	780	800	1000
	AC-4 Ie(A)	138	147	188	240	195	320
Power Controlled 3ph cage Motor AC-3	380/415V KW	200	250	335	400	400	500
	660/690V KW	280	335	450	475	475	560
Electrical life(x10 ³ operations)	AC-3	300	300	300	200	200	200
	AC-4	100	100	100	50	50	50
Mechanical life(x10 ⁶ operations)		3	3	3	2	3	2
Matched Fuse	Size	RT16-3	RT16-4	RT16-4	RT16-4	RT16-4	RT16-4
	A	500	630	800	1250	800	1250
Main circuit		3P or 4P					

Technical Data

Terminal Connection	Model	Cabling cross section(Cu)		Screw size	Tightening torque(N.m)
		Number of piece	Cable Cross section(mm) ²		
	EKC1-115	1	70~90	-	M6 3
	EKC1-150	1	70~90	-	M8 6
	EKC1-185	1	95~150	-	M8 6
	EKC1-225	1	95~150	-	M10 10
	EKC1-265	1	120~185	-	M10 10
	EKC1-330	1	185~240	-	M10 10
	EKC1-400	1(2)	240(150)	30×5	M10 10
	EKC1-500	2	150~185	40×5	M10 10
	EKC1-630	2	185~240	50×5	M12 14
	EKC1-800	2	185~240	50×5	M12 14

Overall and Mounting Dimension(mm)



Model	A Max	B Max	C Max
EKC1-115	163.5	162	171
EKC1-150	163.5	170	171
EKC1-185	168.5	174	181
EKC1-225	168.5	197	181
EKC1-265	201.5	203	213
EKC1-330	213	206	219
EKC1-400	213	206	219
EKC1-500	233	238	232
EKC1-630/800	309	304	255



EKC1-0910M

Technical Data

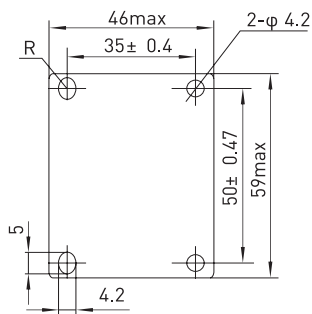
Description	Application	Remote making & breaking circuits Protect circuit from over-load when assembling with thermal over-load relay Frequent start-up and control of AC contactor
Electric value	AC50/60Hz, 690V, up to 12A	
Utilization category	AC-3, AC-4	
Altitude	≤2000m	
Ambient temperature	-5°C~+40°C	
Mounting category	III	
Mounting conditions	Inclination between the mounting plane and the vertical plane should not exceed ±5°	
Standard	IEC/EN 60947-4-1. IEC/EN 60947-5-1.	

Model	Description	Price
EKC1-12K ** 0408	ETEK 12A MINIATURE 4 POLE CONTACTOR ** COIL	
F4-22K	ETEK AUX 2NO 2NC FOR MINI CONTACTOR	
CC1-12KZ BD 0408	ETEK 12A MINIATURE 4 POLE CONTACTOR 24DC COIL	
PLEASE SELECT YOUR COIL VOLTAGE AND USE PREFIX IN YOUR PART NUMBER		
24VAC	B7	
48VAC	E7	
110VAC	F7	
230VAC	M7	
400VAC	R7	
24VDC	BD	

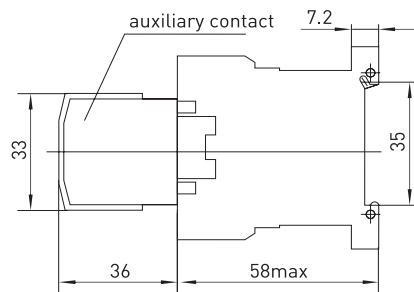
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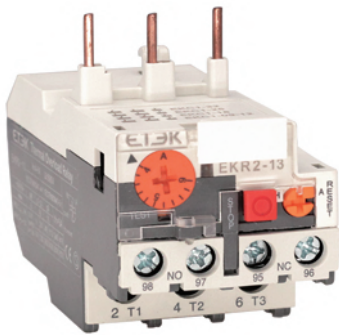
Technical Specification	Standard	IEC/EN60947-4-1 IEC/EN60947-5-1	
	Model No.	EKC1-09	EKC1-12
Rated Conventional Heating Current	I _{th} (A)	20	20
Rated Voltage U _i (V)	U _i (V)	690	690
Rated Operation Current U _e =380/415V	AC-3 I _e (A)	9	12
	AC-4 I _e (A)	3.5	5
Power Controlled 3ph cage Motor AC-3	220/240V KW	2.2	3
	380/415V KW	4	5.5
	660/690V KW	5.5	7.5
Electrical life(x10 ³ operations)	AC-3	1000	1000
	AC-4	200	200
Mechanical life(x10 ⁶ operations)		10	10
Matched Fuse	SIZE	RT16-00	RT16-00
	A	20	20
Main circuit		3P or 4P	
Auxiliary circuit Cat.:AC-15,U _e =415V I _e =0.95A I _{th} =10A		1NO or 1NC	

Overall and Mounting Dimension(mm)



EKC1-09~12M





EKR2-13



EKR2-33

Technical Data

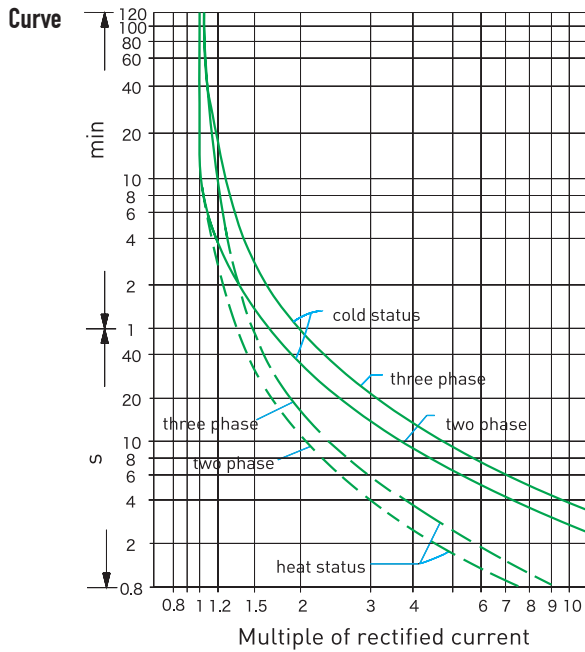
Description	Electric value	AC50/60Hz, 690V, 0.1A~93A
	Tripping class	10A
	Mounting version	Plug-in: Available for EKR2-13,23,33

Feature	3-phase bimetal
	Continuously readjustable current settings
	Temperature compensation
	Tripping indicator
	Test button
	Stop button
	Manual and automatic reset button
	Electrically separated 1N/O plus 1N/C contact

Model	Description	Price
EKR2-1301	ETEK THERMAL OVERLOAD RELAY 0.1-0.16 SUITS EKC1-09-32	
EKR2-1302	ETEK THERMAL OVERLOAD RELAY 0.16-0.25 SUITS EKC1-09-32	
EKR2-1303	ETEK THERMAL OVERLOAD RELAY 0.25-0.4 SUITS EKC1-09-32	
EKR2-1304	ETEK THERMAL OVERLOAD RELAY 0.4-0.63 SUITS EKC1-09-32	
EKR2-1305	ETEK THERMAL OVERLOAD RELAY 0.63-1 SUITS EKC1-09-32	
EKR2-1306	ETEK THERMAL OVERLOAD RELAY 1-1.6 SUITS EKC1-09-32	
EKR2-1307	ETEK THERMAL OVERLOAD RELAY 1.6-2.5 SUITS EKC1-09-32	
EKR2-1308	ETEK THERMAL OVERLOAD RELAY 2.5-4 SUITS EKC1-09-32	
EKR2-1310	ETEK THERMAL OVERLOAD RELAY 4-6 SUITS EKC1-09-32	
EKR2-1312	ETEK THERMAL OVERLOAD RELAY 5.5-8 SUITS EKC1-09-32	
EKR2-1314	ETEK THERMAL OVERLOAD RELAY 7-10 SUITS EKC1-09-32	
EKR2-1316	ETEK THERMAL OVERLOAD RELAY 9-13 SUITS EKC1-09-32	
EKR2-1321	ETEK THERMAL OVERLOAD RELAY 12-18 SUITS EKC1-09-32	
EKR2-1322	ETEK THERMAL OVERLOAD RELAY 17-25 SUITS EKC1-09-32	
EKR2-2353	ETEK THERMAL OVERLOAD RELAY 23-32 SUITS EKC1-32	
EKR2-3353	ETEK THERMAL OVERLOAD RELAY 23-32 SUITS EKC1-40-95	
EKR2-3355	ETEK THERMAL OVERLOAD RELAY 30-40 SUITS EKC1-40-95	
EKR2-3357	ETEK THERMAL OVERLOAD RELAY 37-50 SUITS EKC1-40-95	
EKR2-3359	ETEK THERMAL OVERLOAD RELAY 48-65 SUITS EKC1-40-95	
EKR2-3361	ETEK THERMAL OVERLOAD RELAY 55-70 SUITS EKC1-40-95	
EKR2-3363	ETEK THERMAL OVERLOAD RELAY 63-80 SUITS EKC1-40-95	
EKR2-3365	ETEK THERMAL OVERLOAD RELAY 80-93 SUITS EKC1-40-95	

Technical Specification

Protection Property	Item	Series No.	I/In		Operating time Tp	Test condition
			Any two phases	Another phases		
Overload protection	1		1.05		>2 h	Start from cold status
	2		1.2		≤2h	Start from heat status, right after item No.1
	3		1.5		≤2min	Start from heat status, right after item No.1
Phase failure protection	4		7.2		2s<Tp≤10s	Start from cold status
	5		1.0	0.9	>2 h	Start from cold status
		6	1.15	0		



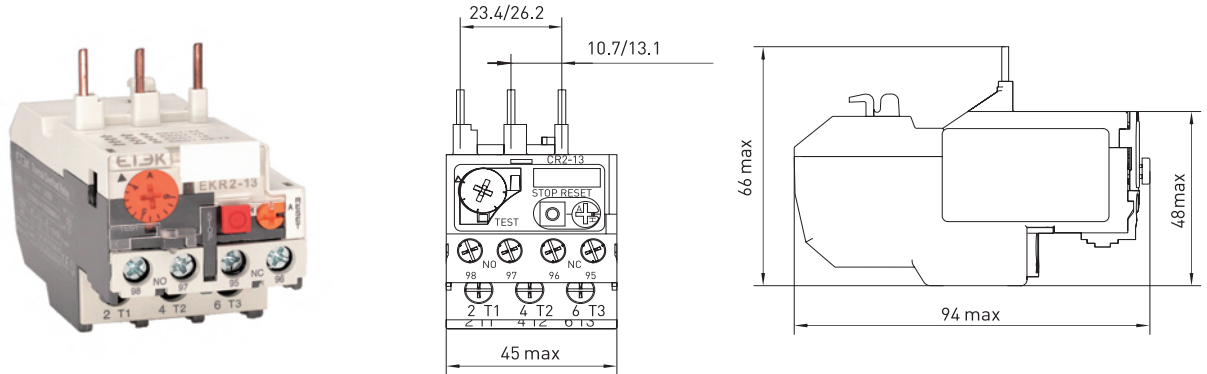
Main Technical Data	Phase failure protection function	Yes
	Automatic & manual reset	Yes
	Temperature compensation	Yes
	Tripping indicator	Yes
	Test & stop pushbutton	Yes
Mounting mode	Plug-in	Yes
	Independent	Yes
	No. of contacts	1N/0+1N/C
Auxiliary contacts	Rated current (A) (AC-15 220V)	2.73
	Rated current (A) (AC-15 380V)	1.58
	Rated current (A) (DC-13 220V)	0.2

Assembly with contactor

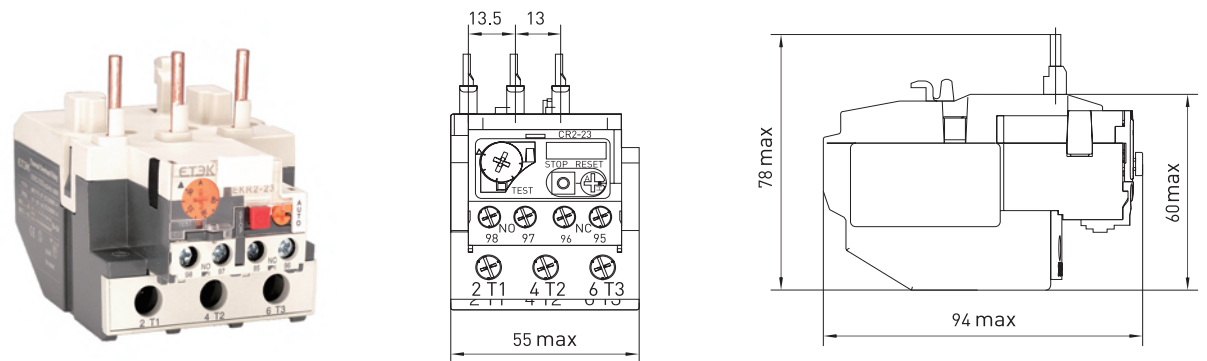
Model of overload relay	Code	Rated current (A)	Recommended fuse type (Recommended RT16)		Contactor Matched
			aM	gG	
EKR2-13	1301	0.1~0.16	0.25	2	EKC1-09 EKC1-12 EKC1-18 EKC1-25 EKC1-32
	1302	0.16~0.25	0.5	2	
	1303	0.25~0.4	1	2	
	1304	0.4~0.63	1	2	
	1305	0.63~1	2	4	
	1306	1~1.6	2	4	
	1307	1.6~2.5	4	6	
	1308	2.5~4	6	10	
	1310	4~6	8	16	
	1312	5.5~8	12	20	
	1314	7~10	12	20	
	1316	9~13	16	25	
	1321	12~18	20	35	
	1322	17~25	25	50	
EKR2-23	2353	23~32	40	63	EKC1-32
	2355	30~40	40	80	
EKR2-33	3353	23~32	40	63	EKC1-40 EKC1-50 EKC1-65 EKC1-80 EKC1-95
	3355	30~40	40	100	
	3357	37~50	63	100	
	3359	48~65	63	100	
	3361	55~70	80	125	
	3363	63~80	80	125	
	3365	80~93	100	160	

Overall and Mounting Dimension(mm)

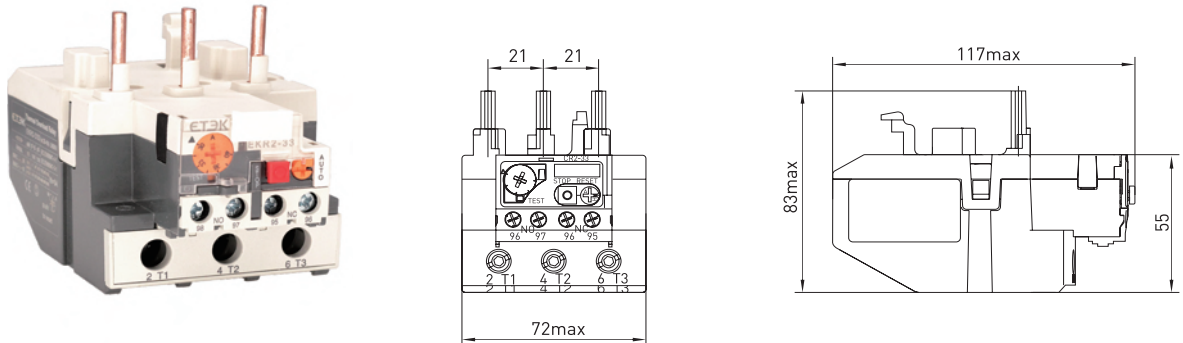
EKR2-13



EKR2-23



EKR2-33



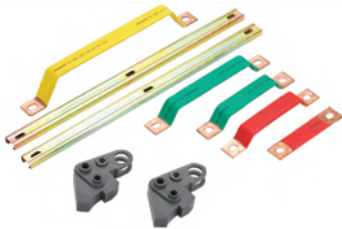
Wiring

Items		EKR2-13	EKR2-23	EKR2-33	
Cross section area of conductor mm ²	Main circuit	Single core or stranded wire	1~4	4~10	4~35
		Wiring screw	M4	M4	M10
	Auxiliary circuit	Single core or stranded wire	0.5~2.5	0.5~2.5	0.5~2.5
		Wiring screw	M3,5	M3,5	M3,5



Specification	Model	Contact Number	Contactor Matched
Auxiliary Contact 4-pole Front mount	EKF4-40	4NO	EKC1-09~95 EKC1-115~800
	EKF4-22	2NO+2NC	
	EKF4-04	4NC	

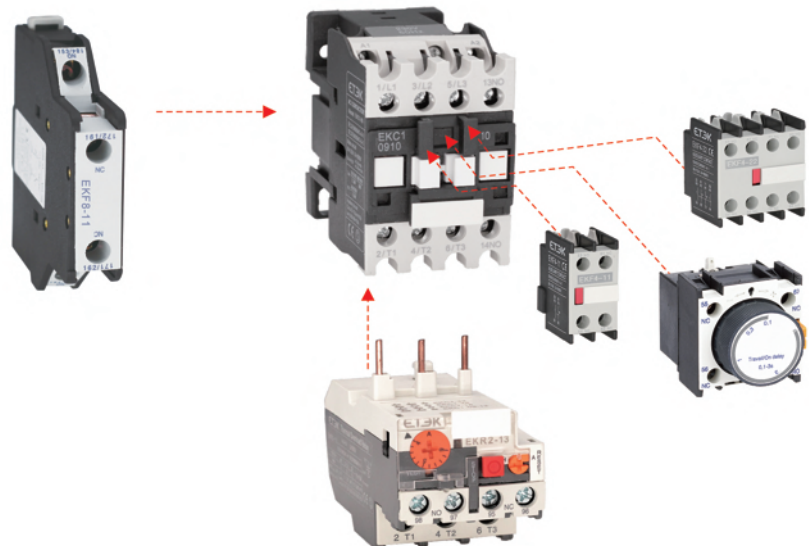
Model	Description	Price
EKF4-04-top mount	TOP MOUNT AUXILIARY FOR EKC1 CONTACTOR 4NC	
EKF4-22-top mount	TOP MOUNT AUXILIARY FOR EKC1 CONTACTOR 2NO 2NC	
EKF4-40-top mount	TOP MOUNT AUXILIARY FOR EKC1 CONTACTOR 4NO	



Specification	Model	Contactor Matched
Accessories for Reversing/ change-over type contactor	EKA9-0932	EKC1-09~32
	EKA9-4095	EKC1-40~95
	EKA9-FB970	EKC1-185~225
	EKA9-FJ970	EKC1-330~400

Model	Description	Price
EKA9-0932	ETEK MECHANICAL INTERLOCK FOR 9A-32A CONTACTOR	
EKA9-4095	ETEK MECHANICAL INTERLOCK FOR 40A-95A CONTACTOR	
EKA9-FB970	ETEK MECHANICAL INTERLOCK FOR 185A-225A CONTACTOR	
EKA9-FJ970	ETEK MECHANICAL INTERLOCK FOR 330A-400A CONTACTOR	

Mounting Sketch Map



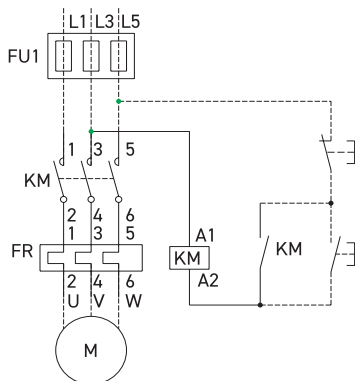


Technical Data

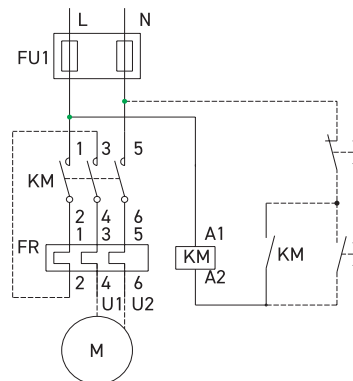
Description EKQ1 series electromagnetic starter ("starter" for short hereinafter) applies mainly to circuit with AC current of 50Hz (or 60Hz), rated operational voltage of 660V and rated controlled power up to 45kW (current up to 95A) using to control the direct start and halt of the electromotor to protect the motor from overload and phase failure.

- Feature**
- 3-phase bimetal
 - Continuously readjustable current settings
 - Temperature compensation
 - Tripping indicator
 - Test button
 - Stop button
 - Manual and automatic reset button
 - Electrically separated 1N/0 plus 1N/C contact

Wiring Diagram



Control supply voltage is as the same as the main circuit voltage (three-phase)

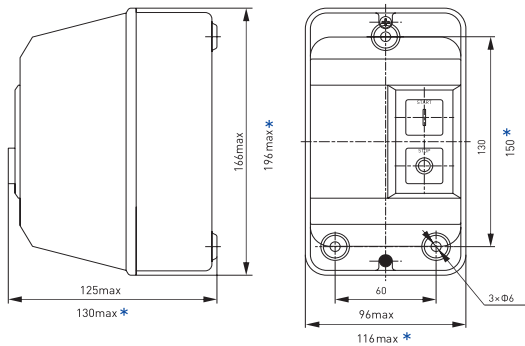


Control supply voltage is as the same as the main circuit voltage (single-phase)

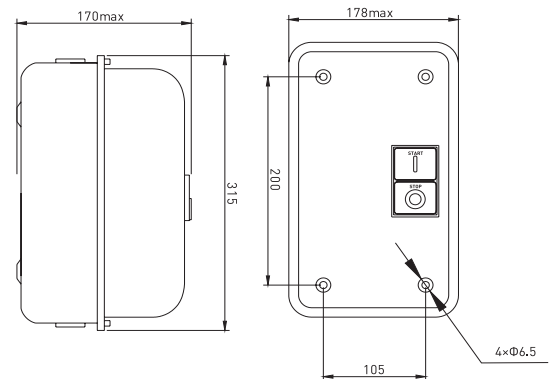
Model	Description	Price
EKQ2-09/1308 230V	ETEK DIRECT ON LINE STARTER 9A 230V 2.5-4A OVERLOAD	
EKQ2-09/1310 230V	ETEK DIRECT ON LINE STARTER 9A 230V 4-6A OVERLOAD	
EKQ2-09/1314 230V	ETEK DIRECT ON LINE STARTER 9A 230V 7-10A OVERLOAD	
EKQ2-18/1316 230V	ETEK DIRECT ON LINE STARTER 18A 230V 9-13A OVERLOAD	
EKQ2-18/1321 230V	ETEK DIRECT ON LINE STARTER 18A 230V 12-18A OVERLOAD	
EKQ2-25/1322 230V	ETEK DIRECT ON LINE STARTER 25A 230V 17-25A OVERLOAD	
EKQ2-32/2353 230V	ETEK DIRECT ON LINE STARTER 32A 230V 23-32A OVERLOAD	
EKQ2-09/1308 400V	ETEK DIRECT ON LINE STARTER 9A 400V 2.5-4A OVERLOAD	
EKQ2-09/1310 400V	ETEK DIRECT ON LINE STARTER 9A 400V 4-6A OVERLOAD	
EKQ2-09/1314 400V	ETEK DIRECT ON LINE STARTER 9A 400V 7-10A OVERLOAD	
EKQ2-18/1316 400V	ETEK DIRECT ON LINE STARTER 18A 400V 9-13A OVERLOAD	
EKQ2-18/1321 400V	ETEK DIRECT ON LINE STARTER 18A 400V 12-18A OVERLOAD	
EKQ2-25/1322 400V	ETEK DIRECT ON LINE STARTER 25A 400V 17-25A OVERLOAD	
EKQ2-32/2353 400V	ETEK DIRECT ON LINE STARTER 32A 400V 23-32A OVERLOAD	

Overall and Mounting Dimension(mm)

KQ1-09~32(Steel base + Plastic cover)



KQ1-40~95(Steel base + Steel cover)



Note: Dimension with * for EKQ1-25~322



Technical Data

Description	Electric value	AC690V, 32A, 80A
	Standard	IEC/EN 60947-2, IEC60947-4-1
Operating Condition	Temperature:	-5°C~+40°C, average temperature in 24 hours not exceed +35°C
	Altitude	not exceed 2000m
	Air conditions	At mounting site, relative humidity not exceed 50% at the max temperature of +40°C, higher relative humidity is allowable under lower temperature, for example, RH could be 90% at +20°C
	Release grade	Grade III
	Release grade	10A(EKMS2-32) 10A(EKMS2-80)
	Rated operational system	Continuous operational system
	Mounting conditions	The inclination between the mounting plane and the vertical plane shall not exceed 5° The product shall be installed and operated at a place without obvious shake, Impact and vibration

Protection Property	Series No.	Multiple of setting current	Initial status	Time	Over-load Protection Properties	
					Expected results	Ambient temperature
	1	1.05	Cold status	t≥2h	Non-tripping	+20°C±2°C
	2	1.20	Heat status (right after test.1)	t<2min	Tripping	+20°C±2°C
	3	1.50	Heat status (right after test.1)	Tripping class 10A t<2min 10 t<4min	Tripping	+20°C±2°C
	4	7.20	Cold status	Tripping class 10A 2s<t≤10s 10 4s<t≤10s	Tripping	+20°C±2°C

Protection Property	Series No.	Multiple of setting current		Initial status	Time	Expected results	Ambient temperature
		Any 2 phase	The other phase				
	1	1.0	0.9	Cold status	t≥2h	Non-tripping	+20°C±2°C
	2	1.15	0	Heat status (right after test.1)	t<2min	Tripping	+20°C±2°C

Temperature compensation properties

Protection Property	Series No.	Multiple of setting current	Initial status	Time	Expected results	Ambient temperature
	1	1.0	Cold status	t≥2h	Non-tripping	+40°C±2°C
	2	1.2	Heat status (right after test.1)	t<2min	Tripping	+40°C±2°C
	3	1.05	Cold status	t≥2h	Non-tripping	-5°C±2°C
	4	1.3	Heat status (right after test.1)	t<2min	Tripping	-5°C±2°C

Model of overload relay	Code	Rated current (A)	Rated ultimate short-circuit breaking capacity Icu(kA)			Rated service short-circuit breaking capacity Ics(kA)			Standard rated power of three-phase motor (kW)		
			230/240V	400/415V	660/690V	230/240V	400/415V	660/690V	230/240V	400/415V	660/690V
EKMS2-32	3201	0.1~0.16	100	100	100	100	100	100	-	-	-
	3202	0.16~0.25	100	100	100	100	100	100	-	-	-
	3203	0.25~0.4	100	100	100	100	100	100	-	-	-
	3204	0.4~0.63	100	100	100	100	100	100	-	-	0.37
	3205	0.63~1	100	100	100	100	100	100	-	-	0.55
	3206	1~1.6	100	100	100	100	100	100	-	-	1.1
	3207	1.6~2.5	100	100	3	100	100	2.25	0.37	0.75	1.5
	3208	2.5~4	100	100	3	100	100	2.25	0.75	1.5	3
	3210	4~6.3	100	100	3	100	100	2.25	1.1	2.2	4
	3214	6~10	100	100	3	100	100	2.25	2.2	4	7.5
	3216	9~14	100	15	3	100	7.5	2.25	3	5.5	9
	3220	13~18	100	15	3	100	7.5	2.25	4	9	11
	3221	17~23	50	15	3	50	6	2.25	5.5	11	15
	3222	20~25	50	15	3	50	6	2.25	5.5	11	18.5
3232	24~32	50	15	3	50	6	2.25	7.5	12.5	22	
EKMS2-80	8025	16~25	-	15	-	-	7.5	-	5.5	11	-
	8040	25~40	-	15	-	-	7.5	-	11	22	-
	8063	40~63	-	15	-	-	7.5	-	15	33	-
	8080	56~80	-	15	-	-	7.5	-	22	45	-


Accessories

Instantaneous auxiliary contact

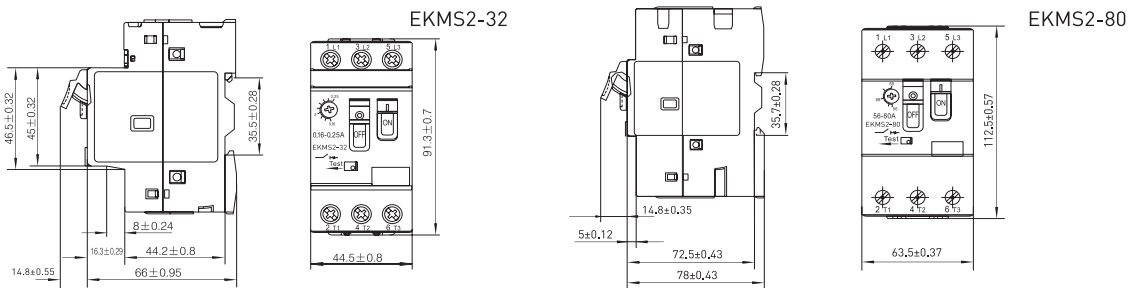


Rated insulation voltage Ui(V)	Conventional heating current Ith(A)	Model	Configuration
250	2.5	EKMS2-AE11	1N/0+1N/C

Fault signal contact and instantaneous auxiliary contact

	Rated insulation voltage U_i (V)	Conventional heating current I_{th} (A)		Model	Configuration
		Instantaneous auxiliary contact	Fault signal contact		
	690	6	2.5	EKMS2-FA1001	1N/O+1N/C

Overall and Mounting Dimension(mm)



Model	Description	Price
EKMS-3201P	ETEK MPCB 0.1-0.16A	
EKMS-3202P	ETEK MPCB 0.16-0.25A	
EKMS-3203P	ETEK MPCB 0.25-0.4A	
EKMS-3204P	ETEK MPCB 0.4-0.63A	
EKMS-3205P	ETEK MPCB 0.63-1A	
EKMS-3206P	ETEK MPCB 1-1.6A	
EKMS-3207P	ETEK MPCB 1.6-2.5A	
EKMS-3208P	ETEK MPCB 2.5-4A	
EKMS-3210P	ETEK MPCB 4-6.3A	
EKMS-3214P	ETEK MPCB 6-10A	
EKMS-3216P	ETEK MPCB 9-14A	
EKMS-3220P	ETEK MPCB 13-18A	
EKMS-3221P	ETEK MPCB 17-23A	
EKMS-3222P	ETEK MPCB 20-25A	
EKMS-3232P	ETEK MPCB 24-32A	
EKMS-8040P	ETEK MPCB 25-40A	
EKMS-8063P	ETEK MPCB 40-63A	
EKMS-8080P	ETEK MPCB 56-80A	
EKMS-AE11	ETEK AUX FOR EKMS MPCB NO/NC	
EKMS2 FA1001	ETEK FAULT SIGNAL CONTACTS FOR EKMS2 RANGE 1NO/1NC	



LED Indicator

Application


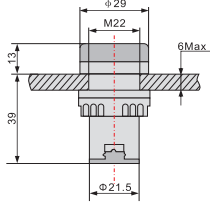

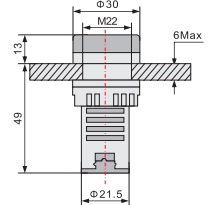
EKLD series indicator light are used in the telecommunication and electrical circuit of AC 50Hz or 60Hz, rated working voltage 380V and below DC working voltage 220V or below for indicator signal, accident signal, fault signal and other indicator signals, they meet with the standard:IEC60947-5-1.

Structure and Function

EKLD series indicator lights adopt LED lamp with the characteristic of long life and low energy consumption, its concealed terminal is both safe and creditable. The special locking nut structure makes the installation available in the dimension of EKLD-22: φ22.5 mm to φ25.5mm

Technical Parameter

Operation temperature: -5°C~+40°C	Power-frequency withstand voltage: 2500V, min							
Operation humidity: 45%~85%	Installation degree: III							
Pollution degree: 3	Degree of protection: IP65							
Rated operation voltage	(Ue)	AC/DC 6.3V	AC/DC 12V	AC/DC 24V	AC/DC 48V	AC/DC 110V	AC/DC 220V	AC/DC 380V
Rated operation voltage	(Ie)≤80mA	≤20mA						
Base colour	Green	Yellow	Red	Blue	White			
Electrical Life(h)	≥3000							
Brightness	≥60							

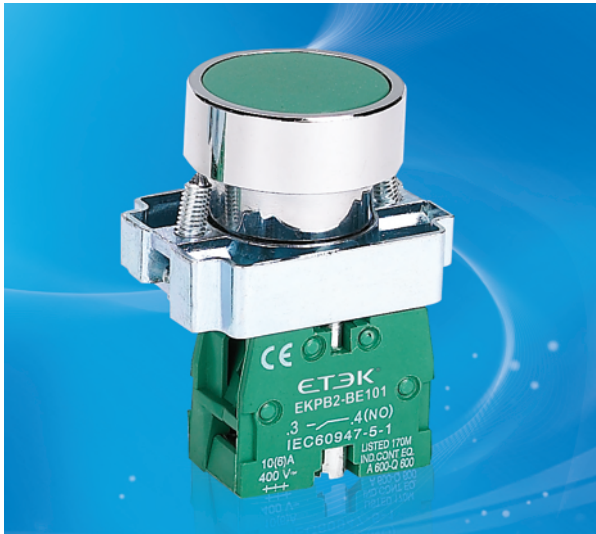
Indicator	Description	Voltage	Colour	Type	Outline Dimensions
	AD22-22DS Protected LED Indicator φ 22	6.3V AC/DC 12V AC/DC 24V AC/DC 48V AC/DC 110V AC/DC 220V AC/DC 380V AC	<ul style="list-style-type: none"> ● Red ● Yellow ● Green ● Blue ● White 	EKLD-22DKS Anti-interference type	
	AD22-22DLT Protected LED Indicator Lamp Test Type φ 22	6.3V AC/DC 12V AC/DC 24V AC/DC 48V AC/DC 110V AC/DC 220V AC/DC 380V AC	<ul style="list-style-type: none"> ● Red ● Yellow ● Green ● Blue ● White 	EKLD-22DLT	

Model	Description	Price
AD22-22DS	PICK YOUR VOLTAGE 24/110/230V. PICK YOUR COLOUR GREEN/BLUE/YELLOW/RED/WHITE	
AD22-22DLT	PICK YOUR VOLTAGE 24/110/230V. PICK YOUR COLOUR GREEN/BLUE/YELLOW/RED/WHITE	



EKP20B

Model	Description	Price
EKP20B	UK DIN RAIL MODULAR SOCKET 13A	



Pushbutton Switch













Application

EKPB2- series pushbutton switches are used in industrial for controlling circuits of AC 50Hz or 60Hz, rated operation voltage 380V or below and DC operational Voltage 220V or below for controlling in magnetic starter, contactor, relay and other electrical circuits. The buttons indicators can also be used in the place with indicated light or signal. They meet with the standards: IEC60947-5-1.














Main Technical Parameter






Operation temperature	-5°C~+40°C					
Power-frequency withstand voltage	2500V, 1min					
Operation humidity	45%~85%					
Electric durability	50×10 ⁴					
Contact resistance	≤50mΩ					
Degree of protection	IP40					
Rated insulation voltage	Ui	660V				
Conventional thermal current	Ith	10A				
Rated operation voltage	Ue	380V	220V	110V	48V	24V
Rated operation current	AC-15	2.5A	4.5A	6A	8A	-
	DC-13	-	0.3A	0.6A	1.3A	2.5

Rated operational Voltage	Directness						Resistance		Transformer	
	6V	12V	24V	48V	110V	220V	380V	220V	220V	380V
LED lamp	√	√	√	√	√	√	√	√	√	√
Neon lamp	—	—	—	—	—	—	—	—	—	—
Incandescence lamp	√	√	√	√	√	√	√	√	√	√













Metal Type	Description	Type	Scheme	Colour
	Flush button spring return	EKPB2-BA11	N/O	 White
		EKPB2-BA21	N/O	 Black
		EKPB2-BA31	N/O	 Green
		EKPB2-BA51	N/O	 Yellow
		EKPB2-BA61	N/O	 Blue
		EKPB2-BA42	N/C	 Red
	Standard handle knob	EKPB2-BD21	N/O	
		EKPB2-BD41	N/O	
		EKPB2-BD33	2N/O	
		EKPB2-BA53	2N/O	

Model	Description	Price
EKB2-BA11	ETEK PUSHBUTTON WHITE COMPLETE WITH NO CONTACT	
EKB2-BA21	ETEK PUSHBUTTON BLACK COMPLETE WITH NO CONTACT	
EKB2-BA31	ETEK PUSHBUTTON GREEN COMPLETE WITH NO CONTACT	
EKB2-BA42	ETEK PUSHBUTTON RED COMPLETE WITH NC CONTACT	
EKB2-BA51	ETEK PUSHBUTTON YELLOW COMPLETE WITH NO CONTACT	
EKB2-BA61	ETEK PUSHBUTTON BLUE COMPLETE WITH NO CONTACT	
EKB2-BD21	ETEK 2 POSITION SELECTOR SWITCH WITH NO CONTACT	
EKB2-BD33	ETEK 3 POSITION SELECTOR SWITCH WITH 2 NO CONTACTS	
EKB2-BD41	ETEK 2 POSITION SPRING RET SWITCH WITH NO CONTACT	
EKB2-BD53	ETEK 3 POSITION SPRING RET SWITCH WITH 2 NO CONTACTS	

Metal Type	Description	Type	Scheme	Colour
	Key button	EKPB2-BG21	N/O	
		EKPB2-BG41	N/O	
		EKPB2-BG03	2N/O	
		EKPB2-BG33	2N/O	
		EKPB2-BG53	2N/O	
	Double head button	EKPB2-BL8425	N/O+N/C	 Green  Red
	Mushroom rotation auto-reset emergency button with key	φ40 EKPB2-BS142 N/C	N/C	 Red
	Flush button with lamp Directness 6V~380V	EKPB2-BW3161	N/O	 White
		EKPB2-BW3361	N/O	 Green
		EKPB2-BW3462	N/O	 Red
		EKPB2-BW3561	N/O	 Yellow
		EKPB2-BW3661	N/O	 Blue
	2-Position Knob lamp 6V~380V	EKPB2-BK2365	N/O+N/C	 Green
		EKPB2-BK2465	N/O+N/C	 Red
	3-Position Knob lamp 6V~380V	EKPB2-BK3365	N/O+N/C	 Green
		EKPB2-BK3465	N/O+N/C	 Red
	Mushroom rotation auto-reset emergency button	φ30 EKPB2-ES442	N/C	 Red
		φ40 EKPB2-ES542	N/C	 Red
		φ60 EKPB2-ES642	N/C	 Red

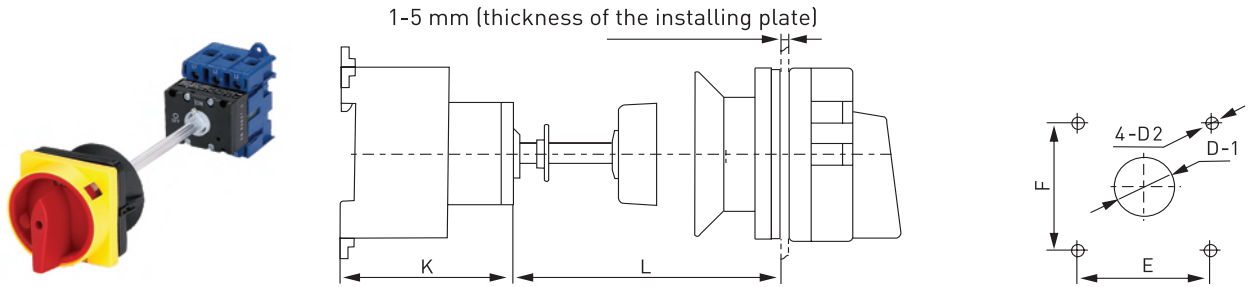
Metal Type	Description	Type	Scheme	Colour
	Bracket	EKPB2-BZ009	Bracket	
	For making up body assemblies with 3, 4, 5 or maximum of 6 contact blocks or replacing 1 st or and contact	EKPB2-BE102	N/C	 Red
	For making up body assemblies with 3, 4, 5 or maximum of 6 contact blocks or replacing 1 st or and contact	EKPB2-BE101	N/O	 Green

Model	Description	Price
EKB2-BG21	E TEK 2 POSITION KEY SWITCH WITH NO CONTACT	
EKB2-BG33	E TEK 3 POSITION KEY SWITCH WITH 2 NO CONTACTS	
EKB2-BG41	E TEK 2 POSITION SPRING RET KEY SWITCH WITH NO CONTACT	
EKB2-BG53	E TEK 3 POSITION SPRING RET KEY SWITCH WITH 2 NO CONTACTS	
EKB2-BG03	E TEK 3 POSITION KEY SWITCH KEY OUT ALL POS C/W 2 NO CONTACTS	
EKB2-BL8425	E TEK DOUBLE HEAD BUTTON START/STOP NO/NC	
EKB2-BS542	E TEK E/STOP PUSHBUTTON TWIST RELEASE WITH NC CONTACT	
EKB2-BS142	E TEK E/STOP PUSHBUTTON KEY RELEASE WITH NC CONTACT	
EKB2-BW3161	E TEK ILLUMINATED PUSHBUTTON WHITE COMPLETE WITH NO CONTACT	
EKB2-BW3361	E TEK ILLUMINATED PUSHBUTTON GREEN COMPLETE WITH NO CONTACT	
EKB2-BW3462	E TEK ILLUMINATED PUSHBUTTON RED COMPLETE WITH NC CONTACT	
EKB2-BW3561	E TEK ILLUMINATED PUSHBUTTON YELLOW COMPLETE WITH NO CONTACT	
EKB2-BW3661	E TEK ILLUMINATED PUSHBUTTON BLUE COMPLETE WITH NO CONTACT	
P1	E TEK PROTECTIVE COVER FOR 22MM PUSHBUTTON	

Plastic Type	Description	Type	Scheme	Marking on legend	Marking push button
	1 red mushroom head button, $\phi 40\text{mm}$, latching Turn to release	EKCB-J174H29	N/C	— Emergency Stop	 
	1 red mushroom head button, $\phi 40\text{mm}$, latching Turn to release cover with lock	EKCB-JTP174	N/C	— Emergency Stop	 
	3 spring return pushbutton 1 flush white (black arrow) 1 flush red 1 flush black (white arrow)	EKCB-B324	N/O $\left. \begin{array}{l} \text{---} \\ \text{---} \end{array} \right\} \begin{array}{l} 13 \\ 14 \end{array}$ + N/C $\left. \begin{array}{l} \text{---} \\ \text{---} \end{array} \right\} \begin{array}{l} 21 \\ 22 \end{array}$ + N/O $\left. \begin{array}{l} \text{---} \\ \text{---} \end{array} \right\} \begin{array}{l} 13 \\ 14 \end{array}$	— —	 
	2 spring return pushbutton + 1 Mushroom button	EKCB-B339	N/O $\left. \begin{array}{l} \text{---} \\ \text{---} \end{array} \right\} \begin{array}{l} 13 \\ 14 \end{array}$ + N/C $\left. \begin{array}{l} \text{---} \\ \text{---} \end{array} \right\} \begin{array}{l} 21 \\ 22 \end{array}$ + N/O $\left. \begin{array}{l} \text{---} \\ \text{---} \end{array} \right\} \begin{array}{l} 13 \\ 14 \end{array}$	— — — —	 

Model	Description	Price
EKCB-J174H29	EM STOP STATION-TWIST RELEASE WITH 1 NC CONTACT	
EKCB-JTP174	EM STOP STATION-TWIST RELEASE with plastic shield WITH 1 NC	
EKCB-B324	Control Box/Pushbutton Box up, down, em stop	
EKCB-B339	Control Box, Pushbutton Box, up, down, em stop twist release	

Dimensions and installation Installation of doorlock safety switch



Description	Dimensions(mm)			Installation(mm)			
	K	L min	L max	E	F	D1	D2
EKIS30-25	50	32	150	48	48	φ22	φ4.2
EKIS30-32	50	32	150	48	48	φ22	φ4.2
EKIS30-40	61	32	150	48	48	φ22	φ4.2
EKIS30-63	61	32	150	48	48	φ22	φ4.2
EKIS30-100	68	32	150	48	48	φ22	φ4.2

Re: Product can be installed in 35 mm Din-rail

Model	Description	Price
EKIS30-25/400040	ETEK 4 POLE 25A ISOLATOR C/W HANDLE AND 300MM SHAFT	
EKIS30-32/400040	ETEK 4 POLE 32A ISOLATOR C/W HANDLE AND 300MM SHAFT	
EKIS30-40/400040	ETEK 4 POLE 40A ISOLATOR C/W HANDLE AND 300MM SHAFT	
EKIS30-63/400040	ETEK 4 POLE 63A ISOLATOR C/W HANDLE AND 300MM SHAFT	
EKIS30-100/400040	ETEK 4 POLE 100A ISOLATOR C/W HANDLE AND 300MM SHAFT	



Model	Description	Price
LW30-32 400011	ETEK ISOLATOR FULLY ENCLOSED 32A 4 POLE IP65	
LW30-63 400011	ETEK ISOLATOR FULLY ENCLOSED 63A 4 POLE IP65	
LW30-100 400011	ETEK ISOLATOR FULLY ENCLOSED 100A 4 POLE IP65	
LW30-32M 400011M	ETEK METAL FULLY ENCLOSED ISOLATOR 4 POLE 32A	
LW30-63M 400011M	ETEK METAL FULLY ENCLOSED ISOLATOR 4 POLE 63A	
LW30-100M 400011M	ETEK METAL FULLY ENCLOSED ISOLATOR 4 POLE 100A	



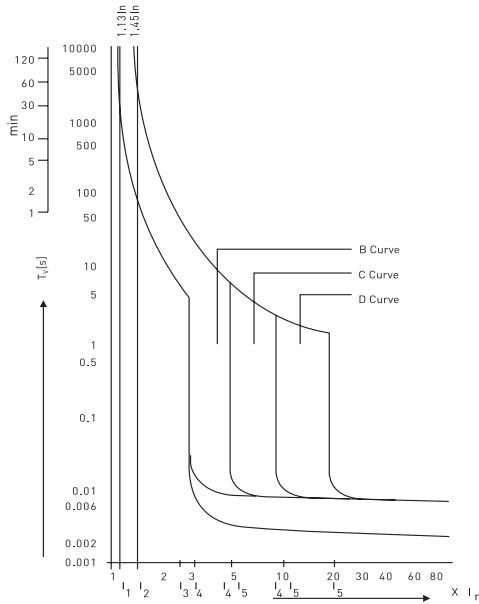
Technical Data

Electrical Features	Rated current In	1,2,3,4,5,6,8,10,13,16,20,25,32,40,50,63A
	Poles	1P, 1P+N, 2P, 3P, 3P+N,4P
	Rated voltage Ue	240/415V~
	Insulation voltage Ui	500V
	Rated frequency	50/60Hz
	Rated breaking capacity	6,000A
	Energy limiting class	3
	Rated impulse withstand voltage(1.5/50) Uimp	4,000V
	Dielectric test voltage at ind. Freq. for 1 min	2kV
Pollution degree	2	
Thermo-magnetic release characteristic	B,C,D	
Mechanical Features	Electrical life	8,000 Cycles
	Mechanical life	20,000 Cycles
	Contact position indicator	Yes
	Protection degree	IP20
	Reference temperature for setting of thermal element	30°C
	Ambient temperature (with daily average<35°C)	-5°C~+40°C
	Storage temperature	-25°C~+70°C
Installation	Terminal connection type	Cable/Pin-type busbar
	Terminal size top/bottom for cable	25mm ² 18-3AWG
	Terminal size top/bottom for busbar	25mm ² 18-3AWG
	Tightening torque	2.5Nm 22In-lbs
	Mounting	On DIN rail EN60715(35mm) by means of fast clip device
	Connection	From top and bottom
Combination with accessories	Auxiliary contact	EKM1-OF
	Alarm contact	EKM1-FB

Model	Description	Price
EKM1-63 - SP MCB	ETEK 1 POLE MCB 1A,2A,4A,6A,10A,16A,20A,25A,32A,40A,50A,63A (B,C,D TYPE)	
EKM1-63 - DP MCB	ETEK 2 POLE MCB 1A,2A,4A,6A,10A,16A,20A,25A,32A,40A,50A,63A (B,C,D TYPE)	
EKM1-63 - TP MCB	ETEK 3 POLE MCB 1A,2A,4A,6A,10A,16A,20A,25A,32A,40A,50A,63A (B,C,D TYPE)	
EKM1-FB	ETEK MCB ALARM AUXILIARY 1NO/1NC	
EKM1-OF	ETEK MCB AUXILIARY 1NO/1NC	
EK101 1P-63A	ETEK BUSBAR PIN TYPE SINGLE POLE 1XMETER	
EK102 2P-63A	ETEK BUSBAR PIN TYPE DOUBLE POLE 1XMETER	
EK103 3P-63A	ETEK BUSBAR PIN TYPE TRIPLE POLE 1XMETER	
ENDCAP 1P	ETEK BUSBAR SINGLE POLE END CAP	
ENDCAP 2P	ETEK BUSBAR DOUBLE POLE END CAP	
ENDCAP 3P	ETEK BUSBAR TRIPLE POLE END CAP	

MCB Characteristics

Characteristics Curves



As per IEC60898	Thermal Tripping		Magnetic Tripping			
	No tripping current	Tripping current I_2	Time Limits t	Hold current I_4	Trip current I_5	Time Limits t
B Curve	$1.13 \times I_N$	$1.45 \times I_N$	$\geq 1h$ $< 1h$	$3 \times I_N$	$5 \times I_N$	$\geq 0.1s$ $< 0.1s$
C Curve	$1.13 \times I_N$	$1.45 \times I_N$	$\geq 1h$ $< 1h$	$5 \times I_N$	$10 \times I_N$	$\geq 0.1s$ $< 0.1s$
d Curve	$1.13 \times I_N$	$1.45 \times I_N$	$\geq 1h$ $< 1h$	$10 \times I_N$	$20 \times I_N$	$\geq 0.1s$ $< 0.1s$

Tripping characteristics

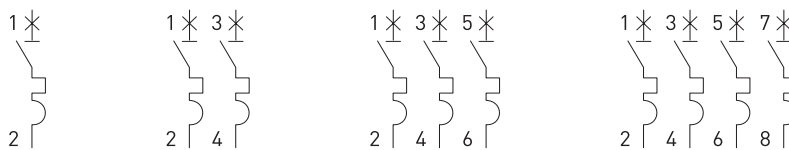
Based on the Tripping Characteristics, MCB are available in 'B', 'C' and 'D' curve to suit different types of applications.

'B' Curve for protection of electrical circuits with equipment that does not cause surge current (lighting and distribution circuits) Short circuit release is set to $(3-5)I_N$.

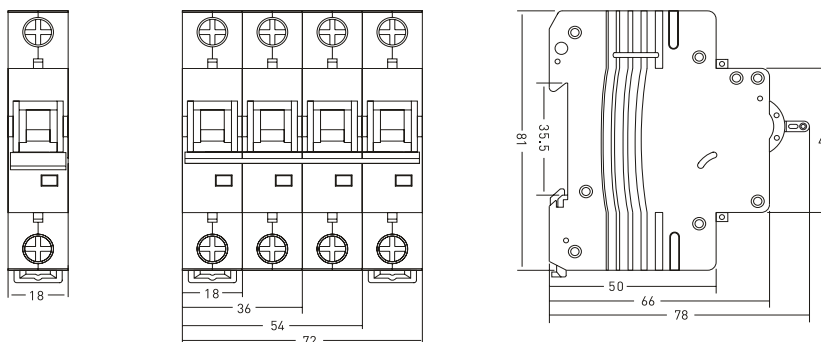
'C' Curve for protection of electrical circuits with equipment that cause surge current (inductive loads and motor circuits) Short circuit release is set to $(5-10)I_N$.

'D' Curve for protection of electrical circuits with cause high inrush current, typically 12-15 times the thermal rated current (transformers, x-ray machines etc.) Short circuit release is set to $(10-20)I_N$.

Circuit Diagram



Overall and Mounting Dimension(mm)





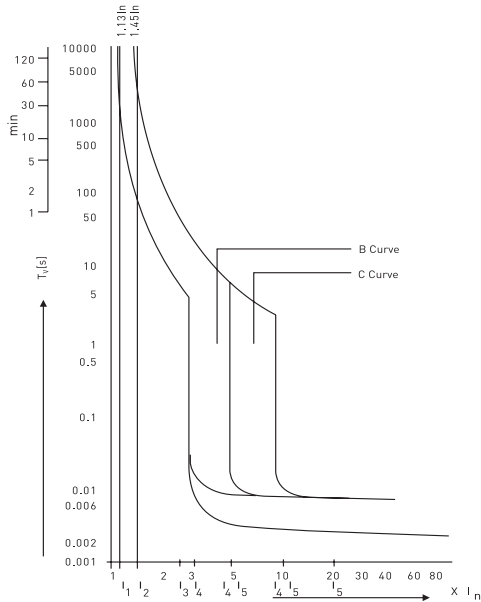
Technical Data

Electrical Features	Rated current In	6,8,10,13,16,20,25,32,40A
	Poles	1P+N
	Rated voltage Ue	230/240V~
	Insulation voltage Ui	500V
	Rated frequency	50/60Hz
	Rated breaking capacity	6,000A
	Energy limiting class	3
	Rated impulse withstand voltage(1.5/50) Uimp	4,000V
	Dielectric test voltage at ind. Freq. for 1 min	2kV
	Pollution degree	2
Thermo-magnetic release characteristic	B,C	
Mechanical Features	Electrical life	4,000 Cycles
	Mechanical life	10,000 Cycles
	Contact position indicator	Yes
	Protection degree	IP20
	Reference temperature for setting of thermal element	30°C
	Ambient temperature (with daily average≤35°C)	-5°C~+40°C
	Storage temperature	-25°C~+70°C
Installation	Terminal connection type	Cable/Pin-type busbar
	Terminal size top/bottom for cable	16mm ² 18-5AWG
	Terminal size top/bottom for busbar	16mm ² 18-5AWG
	Tightening torque	1.5Nm 14In-lbs
	Mounting	On DIN rail EN60715(35mm) by means of fast clip device
	Connection	From top and bottom
Description with accessories	Auxiliary contact	EKM1-OF
	Alarm contact	EKM1-FB

Model	Description	Price
EKM1-FB	ETEK MCB ALARM AUXILIARY 1NO/1NC	
EKM1-OF	ETEK MCB AUXILIARY 1NO/1NC	
EKM1-40N C 6A	ETEK 1P+N 6A C TYPE MCB	
EKM1-40N C 10A	ETEK 1P+N 10A C TYPE MCB	
EKM1-40N C 16A	ETEK 1P+N 16A C TYPE MCB	
EKM1-40N C 20A	ETEK 1P+N 20A C TYPE MCB	
EKM1-40N C 25A	ETEK 1P+N 25A C TYPE MCB	
EKM1-40N C 32A	ETEK 1P+N 32A C TYPE MCB	
EKM1-40N C 40A	ETEK 1P+N 40A C TYPE MCB	

MCB Characteristics

Characteristics Curves



As per IEC60898	Thermal Tripping		Magnetic Tripping			
	No tripping current	Tripping current I_2	Time Limits t	Hold current I_4	Trip current I_5	Time Limits t
B Curve	$1.13 \times I_N$	$1.45 \times I_N$	$\geq 1h$ $< 1h$	$3 \times I_N$	$5 \times I_N$	$\geq 0.1s$ $< 0.1s$
C Curve	$1.13 \times I_N$	$1.45 \times I_N$	$\geq 1h$ $< 1h$	$5 \times I_N$	$10 \times I_N$	$\geq 0.1s$ $< 0.1s$

Tripping characteristics

Based on the Tripping Characteristics, MCB are available in 'B', 'C' and 'D' curve to suit different types of applications.

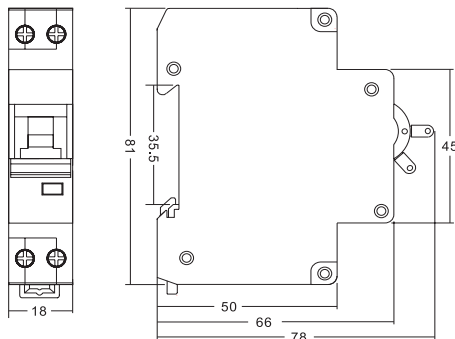
'B' Curve for protection of electrical circuits with equipment that does not cause surge current (lighting and distribution circuits) Short circuit release is set to $(3-5)I_N$.

'C' Curve for protection of electrical circuits with equipment that cause surge current (inductive loads and motor circuits) Short circuit release is set to $(5-10)I_N$.

Circuit Diagram



Overall and Mounting Dimension(mm)







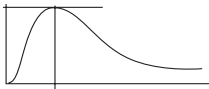
Technical Data

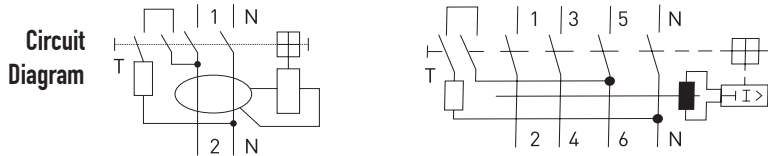
Electrical Features	Mode	Electromagnetic
Type	AC,A,G,S	
Rated current In	16,25,32,40,63A	
Poles	2P(1P+N),4P(3P+N)	
Rated voltage Ue	2P 240V~ 4P 415V~	
Insulation voltage Ui	500V	
Rated frequency	50/60Hz	
Rated residual operation current(IΔn)	10,30,100,300mA	
Rated residual making and breaking capacity (IΔm)	500(In=16-40A) 630(In=63A)	
Short-circuit current Inc= IΔc	EKL1-63 6,000A EKL1-63H 10,000A	
SCPD fuse	EKL1-63 6000 EKL1-63H 10000	
Break time under IΔn	≤0.1s	
Rated impulse withstand voltage(1.5/50) Uimp	4000V	
Dielectric test voltage at ind.Freq. for 1min	2.5kV	
Electrical life	2,000 Cycles	
Mechanical life	4,000 Cycles	

Installation	Feature	Value
Contact position indicator	Yes	
Protection degree	IP20	
Ambient temperature(with daily average≤35°C)	-5°C~+40°C	
Storage temperature	-25°C~+70°C	
Terminal connection type	Cable/Pin-type busbar/U-type busbar	
Terminal size top/bottom for cable	25mm² 18-3AWG	
Terminal size top/bottom for busbar	25mm² 18-3AWG	
Tightening torque	2.5Nm 22In-lbs	
Mounting	On DIN rail EN60715(35mm) by means of fast clip device	
Connection	From top and bottom	

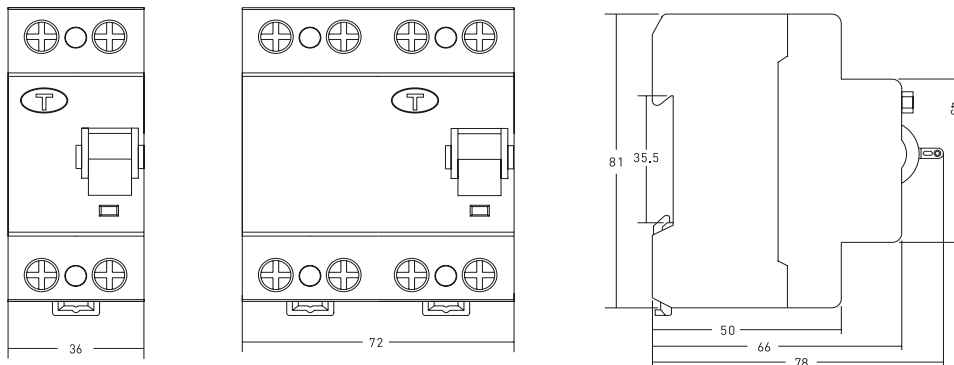
Model	Description	Price
EKL1-100 2P 63A	ETEK RCCB A TYPE 2 POLE 63A	
EKL1-100 4P 63A	ETEK RCCB A TYPE 4 POLE 63A	

Tripping Current Range	Type	Tripping current I Δ /A		
	AC	0.5I Δ n < I Δ < I Δ n		
	A	Lagging Angle	I Δ n > 0.01A	I Δ n \leq 0.01A
		0°	0.35I Δ n \leq I Δ \leq 1.4I Δ n	0.35I Δ n \leq I Δ \leq 2I Δ n
		90°	0.25I Δ n \leq I Δ \leq 1.4I Δ n	0.25I Δ n \leq I Δ \leq 2I Δ n
135°		0.11I Δ n \leq I Δ \leq 1.4I Δ n	0.11I Δ n \leq I Δ \leq 2I Δ n	

Alternative Current Sensitive	Pulsating direct current sensitive	Surge current proof
 <p>They react to AC current which, whether suddenly applied or slowly arising.</p>	 <p>They react to AC and pulsating DC fault current which reach 0 or almost 0 within one time period of the mains frequency.</p>	 <p>RCCB's surge capacity. Not tripping at standardized 8/20 us surge-current waves acc. to VDE 0432 Part 2 with surge current values of up to 250A.</p>



Overall and Mounting Dimension(mm)





Technical Data

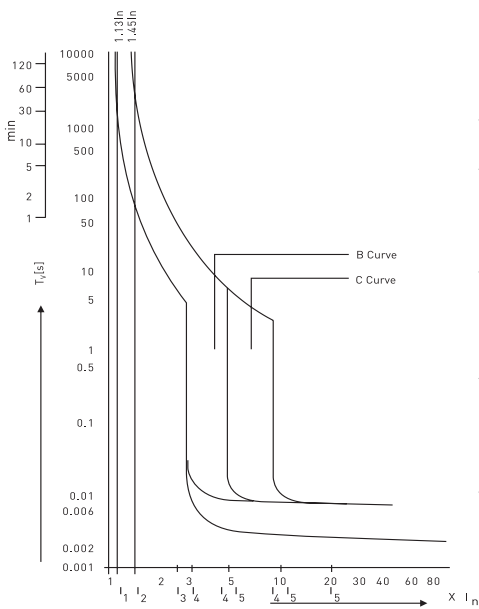
Electrical Features	Mode	Electronic
	Type	AC,A
	Rated current I _n	6,8,10,13,16,20,25,32,40A
	Poles	1P+N
	Rated voltage U _e	230/240V~
	Insulation voltage U _i	500V
	Rated frequency	50/60Hz
	Rated residual operating current(I _{Δn})	10,30,100,300mA
	Break time under I _{Δn}	≤0.1s
	Rated breaking capacity	6,000A
	Energy limiting class	3
	Rated impulse withstand voltage(1.5/50) U _{imp}	4,000V
	Dielectric test voltage at ind.Freq. for 1min	2kV
	Pollution degree	2
Thermo-magnetic release characteristic	B,C	
Mechanical Features	Electrical life	4,000 Cycles
	Mechanical life	10,000 Cycles
	Contact position indicator	Yes
	Protection degree	IP20
	Reference temperature for setting of thermal element	30°C
	Ambient temperature (with daily average≤35°C)	-5°C~+40°C
Storage temperature	-25°C~+70°C	
Installation	Terminal connection type	Cable/Pin-type busbar/U-type busbar
	Terminal size top/bottom for cable	25mm ² 18-3AWG
	Terminal size top/bottom for busbar	25mm ² 18-3AWG
	Tightening torque	2.5Nm 22In-lbs
	Mounting	On DIN rail EN60715(35mm) by means of fast clip device
Combination with accessories	Connection	From top and bottom
	Auxiliary contact	EKM1-OF
Combination with accessories	Alarm contact	EKM1-FB
	Shunt release	EKM1-MX
Combination with accessories	Over voltage protection	Yes
	Under voltage protection	Yes
	Over/Under voltage protection	Yes

Model	Description	Price
EKL3-40 6A	ETEK 6A TYPE A RCBO 1P+N 30MA	
EKL3-40 10A	ETEK 10A TYPE A RCBO 1P+N 30MA	
EKL3-40 16A	ETEK 16A TYPE A RCBO 1P+N 30MA	
EKL3-40 20A	ETEK 20A TYPE A RCBO 1P+N 30MA	
EKL3-40 25A	ETEK 25A TYPE A RCBO 1P+N 30MA	
EKL3-40 32A	ETEK 32A TYPE A RCBO 1P+N 30MA	
EKL3-40 40A	ETEK 40A TYPE A RCBO 1P+N 30MA	

Characteristics

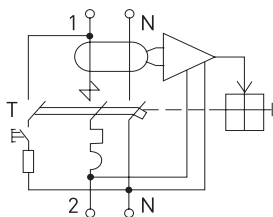
Tripping Current Range	Type	Tripping current $I\Delta/A$		
	AC	$0.5I\Delta_n < I\Delta < I\Delta_n$		
	A	Lagging Angle	$I\Delta_n > 0.01A$	$I\Delta_n \leq 0.01A$
		0°	$0.35I\Delta_n \leq I\Delta \leq 1.4I\Delta_n$	$0.35I\Delta_n \leq I\Delta \leq 2I\Delta_n$
		90°	$0.25I\Delta_n \leq I\Delta \leq 1.4I\Delta_n$	$0.25I\Delta_n \leq I\Delta \leq 2I\Delta_n$
135°		$0.11I\Delta_n \leq I\Delta \leq 1.4I\Delta_n$	$0.11I\Delta_n \leq I\Delta \leq 2I\Delta_n$	

Characteristics Curves

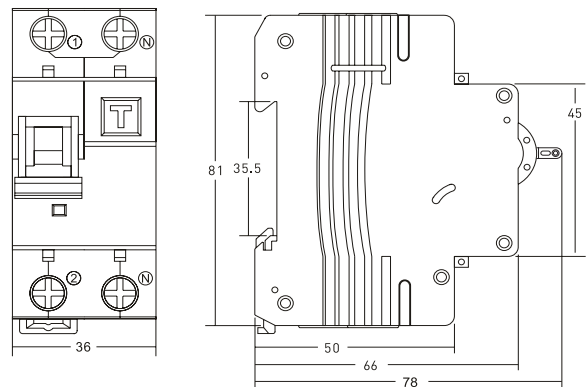


As per IEC60898	Thermal Tripping		Magnetic Tripping			
	No tripping current	Tripping current I_z	Time Limits t	Hold current I_z	Trip current I_s	Time Limits t
B Curve	$1.13 \times I_N$	$1.45 \times I_N$	$\geq 1h$ $< 1h$	$3 \times I_N$	$5 \times I_N$	$\geq 0.1s$ $< 0.1s$
C Curve	$1.13 \times I_N$	$1.45 \times I_N$	$\geq 1h$ $< 1h$	$5 \times I_N$	$10 \times I_N$	$\geq 0.1s$ $< 0.1s$

Circuit Diagram



Overall and Installation Dimension(mm)

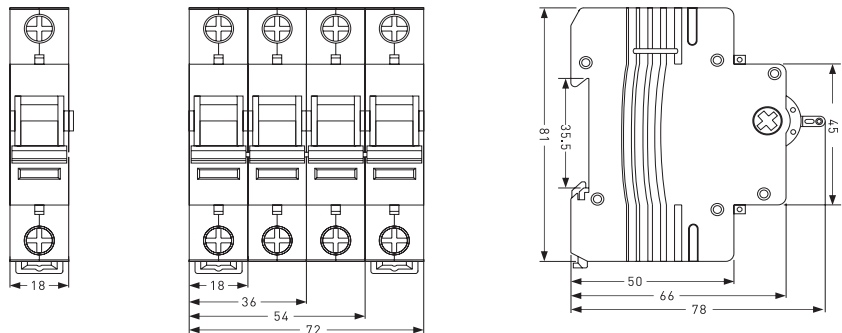




Technical Data

Electrical Features	Rated current In	32,40,50,63,80,100,125A
	Poles	1P,2P,3P,4P
	Rated voltage Ue	240/415V~
	Insulation voltage Ui	500V
	Rated frequency	50/60Hz
	Rated short-time withstand current Icw	12Ie,1s
	Rated making and breaking capacity	3Ie,1.05Ue,cosφ=0.65
	Rated short circuit making capacity	20Ie,t=0.1s
	Rated impulse withstand voltage(1.5/50) Uimp	4,000V
	Dielectric test voltage at ind.Freq. for 1min	2.5kV
Utilization category	AC-22A	
Mechanical Features	Electrical life	4,000 Cycles
	Mechanical life	10,000 Cycles
	Contact position indicator	Yes
	Protection degree	IP20
Installation	Terminal connection type	Cable/Pin-type busbar/U-type busbar
	Terminal size top/bottom for cable	50mm ² 18-2AWG
	Terminal size top/bottom for busbar	50mm ² 18-2AWG
	Tightening torque	3.5Nm 30In-lbs
	Mounting	On DIN rail EN60715(35mm) by means of fast clip device
	Connection	From top and bottom

Overall and Installation Dimension(mm)



Model	Description	Price
EKD2-125 63A 2P	ETEK ISOLATOR SWITCH 63A 2POLE	
EKD2-125 63A 4P	ETEK ISOLATOR SWITCH 63A 4POLE	
EKD2-125 100A 2P	ETEK ISOLATOR SWITCH 100A 2POLE	
EKD2-125 100A 4P	ETEK ISOLATOR SWITCH 100A 4POLE	
EKD2-125 125A 2P	ETEK ISOLATOR SWITCH 125A 2POLE	
EKD2-125 125A 4P	ETEK ISOLATOR SWITCH 125A 4POLE	



Technical Data

Electrical Features

Rated value	AC415/400V 50/60Hz 3A
	AC240/400V 50/60Hz 3A
Configurations	DC130V 1A
	DC48V 2A
	DC24V 6A
Rated impulse withstand voltage (1.2/50)Uimp	EKM1-OF 1N/O+1N/C EKM1-FB 2N/O+2N/C
Rated short circuit making capacity	4,000V
Dielectric test voltage at ind. Freq. for 1min	20Ie, t=0.1s
Insulation voltage Ui	2kV
Pollution degree	500V
	2

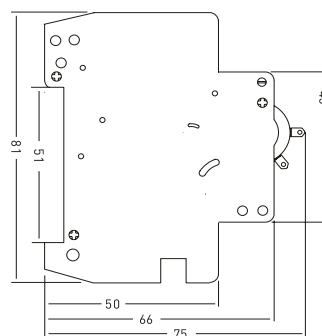
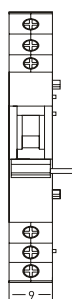
Mechanical Features

Electrical life	6,000 Cycles
Mechanical life	10,000 Cycles
Protection degree	IP20
Ambient temperature (with daily average ≤35°C)	-5°C~+40°C
Storage temperature	-25°C~+70°C



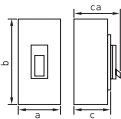
Installation

Terminal connection type	Cable
Terminal size top/bottom for cable	2.5mm ² 18-13AWG
Tightening torque	0.8Nm 7In-lbs

Overall and Installation Dimension(mm)






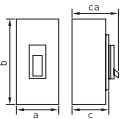
Main Performance Indexes

Frame current (A)	160			250				
Model	EKM8T-160S	EKM8T-160M	EKM8T-160H	EKM8T-250S	EKM8T-250M	EKM8T-250H		
Pole number	3, 4			3, 4				
								
Rated current (A)	20-25, 25-32, 32-40, 40-50, 50-63, 63-80, 80-100, 100-125A, 125-160A			100-125, 125-160, 160-200, 200-250A				
Rated voltage (V)	AC400V			AC400V				
Rated insulation voltage (V)	AC1000V			AC1000V				
Short-circuit breaking capacity (KA)Icu/Ics	AC400	25/18	35/25	50/35	25/18	35/25	50/35	
Operating cycle number	ON	3000			3000			
	OFF	7000			7000			
Outline dim(mm) a-b-c-ca		3P	90-155-68-90		90-155-88-115		105-165-68-92	105-165-88-115
		4P	120-155-68-90		120-155-88-115		140-165-68-92	
Weight (kg)	3P	1.0	1.0	1.1	1.5		1.7	
	4P	1.1	1.4	1.7	1.9		2.1	
Electric operating device (MD)	•							
External driving operating handle	•							
Automatic release	Thermal electromagnetic type							

Model	Description	Price
EKM8T-160H 25A 3 POLE	ETEK THERMAL MAGNETIC ADJUSTABLE TYPE MCCB 25A 3 POLE	
EKM8T-160H 32A 3 POLE	ETEK THERMAL MAGNETIC ADJUSTABLE TYPE MCCB 32A 3 POLE	
EKM8T-160H 40A 3 POLE	ETEK THERMAL MAGNETIC ADJUSTABLE TYPE MCCB 40A 3 POLE	
EKM8T-160H 50A 3 POLE	ETEK THERMAL MAGNETIC ADJUSTABLE TYPE MCCB 50A 3 POLE	
EKM8T-160H 63A 3 POLE	ETEK THERMAL MAGNETIC ADJUSTABLE TYPE MCCB 63A 3 POLE	
EKM8T-160H 80A 3 POLE	ETEK THERMAL MAGNETIC ADJUSTABLE TYPE MCCB 80A 3 POLE	
EKM8T-160H 100A 3 POLE	ETEK THERMAL MAGNETIC ADJUSTABLE TYPE MCCB 100A 3 POLE	
EKM8T-160H 125A 3 POLE	ETEK THERMAL MAGNETIC ADJUSTABLE TYPE MCCB 125A 3 POLE	
EKM8T-160H 160A 3 POLE	ETEK THERMAL MAGNETIC ADJUSTABLE TYPE MCCB 160A 3 POLE	
EKM8T-160H 160A 3 POLE	ETEK THERMAL MAGNETIC ADJUSTABLE TYPE MCCB 160A 3 POLE	
EKM8T-250H 200A 3 POLE	ETEK THERMAL MAGNETIC ADJUSTABLE TYPE MCCB 200A 3 POLE	
EKM8T-250H 250A 3 POLE	ETEK THERMAL MAGNETIC ADJUSTABLE TYPE MCCB 250A 3 POLE	
EKM8T-400H 315A 3 POLE	ETEK THERMAL MAGNETIC ADJUSTABLE TYPE MCCB 315A 3 POLE	
EKM8T-400H 400A 3 POLE	ETEK THERMAL MAGNETIC ADJUSTABLE TYPE MCCB 400A 3 POLE	
EKM8T-630H 500A 3 POLE	ETEK THERMAL MAGNETIC ADJUSTABLE TYPE MCCB 500A 3 POLE	
EKM8T-630H 630A 3 POLE	ETEK THERMAL MAGNETIC ADJUSTABLE TYPE MCCB 630A 3 POLE	

LIST CONTINUES ON P41

Main Performance Indexes

Frame current (A)	400		630		800	
Model	EKM8T-400S	EKM8T-400H	EKM8T-630S	EKM8T-630H	EKM8T-800S	EKM8T-800H
Pole number	3, 4		3, 4		3, 4	
						
Rated current (A)	200-250, 250-320, 320-400		400-500, 500-630		400-500, 500-630, 630-800	
Rated voltage (V)	AC400V		AC400V		AC400V	
Rated insulation voltage (V)	AC1000V		AC1000V		AC1000V	
Short-circuit breaking capacity (KA)Icu/Ics	AC400	35/25 65/65	35/25 65/65	35/25 65/65	35/25 65/65	35/25 65/65
Operating cycle number	ON	2000	2000	2000	1500	1500
	OFF	4000	4000	4000	4000	4000
Outline dim(mm) a-b-c-ca		3P	140-257-103-155	140-257-103-155	210-275-103-155	210-275-103-155
		4P	185-257-103-155	185-257-103-155	280-275-103-155	280-275-103-155
Weight (kg)	3P	5.5	5.7	5.7	9.5	9.5
	4P	7.0	7.5	7.5	12.5	12.5
Electric operating device (MD)						•
External driving operating handle						•
Automatic release	Thermal electromagnetic type					

Model	Description	Price
EKM8T-160H 25A 4POLE	ETEK THERMAL MAGNETIC ADJUSTABLE TYPE MCCB 25A 4 POLE	
EKM8T-160H 32A 4POLE	ETEK THERMAL MAGNETIC ADJUSTABLE TYPE MCCB 32A 4 POLE	
EKM8T-160H 40A 4POLE	ETEK THERMAL MAGNETIC ADJUSTABLE TYPE MCCB 40A 4 POLE	
EKM8T-160H 50A 4POLE	ETEK THERMAL MAGNETIC ADJUSTABLE TYPE MCCB 50A 4 POLE	
EKM8T-160H 63A 4POLE	ETEK THERMAL MAGNETIC ADJUSTABLE TYPE MCCB 63A 4 POLE	
EKM8T-160H 80A 4POLE	ETEK THERMAL MAGNETIC ADJUSTABLE TYPE MCCB 80A 4 POLE	
EKM8T-160H 100A 4POLE	ETEK THERMAL MAGNETIC ADJUSTABLE TYPE MCCB 100A 4 POLE	
EKM8T-160H 125A 4POLE	ETEK THERMAL MAGNETIC ADJUSTABLE TYPE MCCB 125A 4 POLE	
EKM8T-160H 160A 4POLE	ETEK THERMAL MAGNETIC ADJUSTABLE TYPE MCCB 160A 4 POLE	
EKM8T-250H 200A 4POLE	ETEK THERMAL MAGNETIC ADJUSTABLE TYPE MCCB 200A 4 POLE	
EKM8T-250H 250A 4POLE	ETEK THERMAL MAGNETIC ADJUSTABLE TYPE MCCB 250A 4 POLE	
EKM8T-400H 315A 4 POLE	ETEK THERMAL MAGNETIC ADJUSTABLE TYPE MCCB 315A 4 POLE	
EKM8T-400H 400A 4 POLE	ETEK THERMAL MAGNETIC ADJUSTABLE TYPE MCCB 400A 4 POLE	
EKM8T-630H 500A 4 POLE	ETEK THERMAL MAGNETIC ADJUSTABLE TYPE MCCB 500A 4 POLE	
EKM8T-630H 630A 4 POLE	ETEK THERMAL MAGNETIC ADJUSTABLE TYPE MCCB 630A 4 POLE	
EKM8M0160	ETEK MCCB HANDLE KIT FOR EKM8-160H	
EKM8M0250	ETEK MCCB HANDLE KIT FOR EKM8-250H	
EKM8M0630	ETEK MCCB HANDLE KIT FOR EKM8-400H - 630H	

Aluminium Waterproof Electrical Box



Waterproof, dustproof, anti-corrosion, high-strength insulation. Suitable for electrical and electronic equipment, shipbuilding, petrochemical industry, large factories, coastal factories, terminal water treatment facilities. Working temperature -55°C to 150°C.

Compliant: ISO9001 CE RoHS 1P65

Model	Description	Price
FA 2-3	ETEK CAST ALUMINIUM JUNCTION BOX 125X80X58	
FA 44	ETEK CAST ALUMINIUM JUNCTION BOX 140X140X75	
FA 62	ETEK CAST ALUMINIUM JUNCTION BOX 160X160X90	
FA 66	ETEK CAST ALUMINIUM JUNCTION BOX 260X185X96	
FA 69	ETEK CAST ALUMINIUM JUNCTION BOX 300X210X130	



Technical Data

Description

CA-T series water-proof junction box are fixed with metal screws, which have good impact resistance, corrosion resistance, long life and good insulating properties

Shell material: ABS

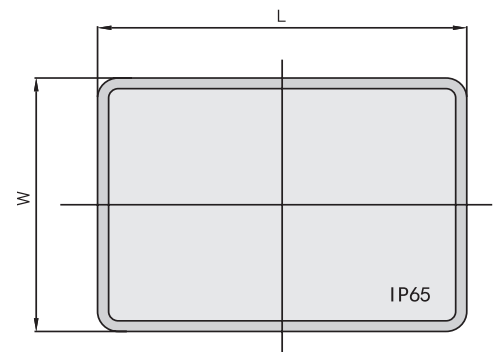
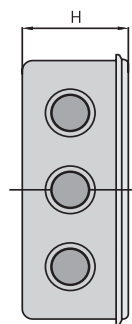
Impact performance: EN5012 IK07-08

Standard: IEC60529

Temperature range: -20°C~120°C

Specification

Model	Dimensions (mm)			Hole	IP
	L	W	H		
CA-T 80X50	80		50	4	55
CA-T 100X100X70	100	100	70	7	65
CA-T 150X150X70	150	150	70	8	65
CA-T 200X155X80	200	155	80	10	65
CA-T 200X200X80	200	200	80	12	65
CA-T 255X200X80	255	200	80	12	65
CA-T 300X250X120	300	250	120	12	65
CA-T 400X350X120	400	350	120	16	65

Overall and Installation Dimension


Model	Description	Price
CA-T 80x50	ETEK Water-Proof Junction Box 80x80mm	
CA-T 100x100x70	ETEK Water-Proof Junction Box 100x100x70mm	
CA-T 150x150x70	ETEK Water-Proof Junction Box 150x150x70mm	
CA-T 200x155x80	ETEK Water-Proof Junction Box 200x155x80mm	
CA-T 200x200x80	ETEK Water-Proof Junction Box 200x200x80mm	
CA-T 255x200x80	ETEK Water-Proof Junction Box 255x200x80mm	
CA-T 300x250x120	ETEK Water-Proof Junction Box 300x250x120mm	
CA-T 400x350x120	ETEK Water-Proof Junction Box 400x350x120mm	



Technical Data

Description

1 CAB series distribution box is designed for safe, reliable distribution and control of electrical power as service entrance equipment in residential, commercial and light industrial installations .

Steel sheet and copper fittings inside

Protected with epoxy polyester coating

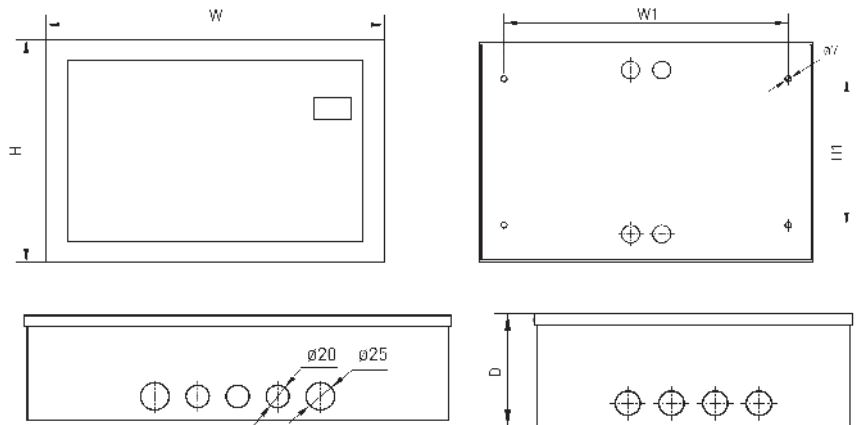
Colour: RAL7032 or RAL7035

Standard: IEC 60947-3

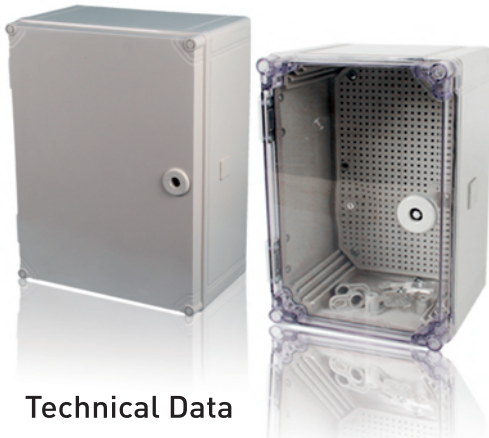
Specification

Model	Row	Way No.	Dimensions (mm)					Terminal configuration	
			H	W	D	H1	W1	N	IP
1CAB113	1	13	292	402	110	192	340	13*1	8*1
1CAB226	2	26	442	402	110	342	340	13*2	8*1
1CAB339	3	39	592	402	110	492	340	13*3	8*2
1CAB452	4	52	742	402	110	642	340	13*4	8*3
1CAB565	5	65	892	402	110	792	340	13*5	8*4

Overall and Installation Dimension



Model	Description	Price
1CAB113	ETEK MCB 1 Row 13 Way Steel Box, RAL7035	
1CAB226	ETEK MCB 2 Row 26 Way Steel Box, RAL7035	
1CAB339	ETEK MCB 3 Row 39 Way Steel Box, RAL7035	
1CAB452	ETEK MCB 4 Row 52 Way Steel Box, RAL7035	
1CAB565	ETEK MCB 5 Row 65 Way Steel Box, RAL7035	



Technical Data

Description

CABP2 series hinge locking distribution box is a large engineering box, hinge door design, door is removable. Widely used in electric power industry, chemical, railway, etc., it's waterproof and dustproof, shock resistance, corrosion resistance, insulation.

Standard: EN60529

Protection degree: IP65

Temperature range: -20°C~120°C

Shell material: PC, ABS

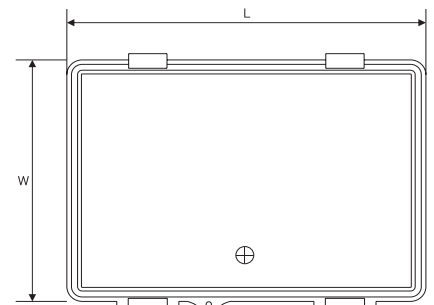
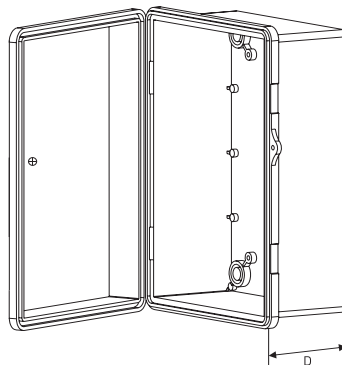
Open way: hinge locking

G for grey box, T for clear lid box

Specification

Model	Dimensions (mm)		
	L	W	D
CABP2-302016G	300	200	160
CABP2-403016G	400	300	160
CABP2-504019G	500	400	195

Overall and Installation Dimension



Model	Description	Price
CABP2-302016G	ETEK Hinge Lock Distribution Box Grey Cover 300*200*160mm	
CABP2-403016G	ETEK Hinge Lock Distribution Box Grey Cover 400*300*160mm	
CABP2-504019G	ETEK Hinge Lock Distribution Box Grey Cover 500*400*195mm	



Technical Data

Description	Protection degree:IP66
	Standard:IEC60529
	Colour: RAL 7032,RAL 7035

Specification	Model	Size (mm)			Thickness (mm)			Bottom hole size	Lock QTY	Mounting plate size	
		H	W	D	Door	Body	M,P			L	M
	CABS 2020/15	200	200	150	1.2	1.2	2	A	1	150	150
	CABS 2520/15	250	200	150	1.2	1.2	2	A	1	200	150
	CABS 3020/15	300	200	150	1.2	1.2	2	A	1	250	150
	CABS 3020/20	300	200	200	1.2	1.2	2	A	1	250	150
	CABS 3025/15	300	250	150	1.2	1.2	2	A	1	250	200
	CABS 3025/20	300	250	200	1.2	1.2	2	A	1	250	200
	CABS 3030/15	300	300	250	1.2	1.2	2	B	1	250	250
	CABS 3030 /20	300	300	150	1.2	1.2	2	B	1	250	250
	CABS 3030 /25	300	300	250	1.2	1.2	2	B	1	250	250
	CABS 4030 /15	400	300	150	1.2	1.2	2	B	1	350	250
	CABS 4030 /20	400	300	200	1.2	1.2	2	B	1	350	250
	CABS 4030 /25	400	300	250	1.2	1.2	2	B	1	350	250
	CABS 4030 /30	400	300	300	1.2	1.2	2	B	1	350	250
	CABS 4040/15	400	400	150	1.2	1.2	2	C	1	350	250
	CABS 4040/20	400	400	200	1.2	1.2	2	C	1	350	350
	CABS 4040/25	400	400	250	1.2	1.2	2	C	1	350	350
	CABS 4040/30	400	400	300	1.2	1.2	2	C	1	350	350
	CABS 5030/15	500	300	150	1.2	1.2	2	B	1	450	350
	CABS 5030/20	500	300	200	1.2	1.2	2	B	1	450	250
	CABS 5030/25	500	300	250	1.2	1.2	2	B	1	450	250
	CABS 5040/15	500	400	150	1.2	1.2	2	C	1	450	350
	CABS 5040/20	500	400	200	1.2	1.2	2	C	1	450	350
	CABS 5040/25	500	400	250	1.2	1.2	2	C	1	450	350
	CABS 5040/30	500	400	300	1.2	1.2	2	C	1	450	350
	CABS 5050/20	500	500	200	1.2	1.2	2	D	1	450	450
	CABS 5050/25	500	500	250	1.2	1.2	2	D	1	450	450
	CABS 5050/30	500	500	300	1.2	1.2	2	D	1	450	450
	CABS 6040/15	600	400	150	1.2	1.2	2	C	2	550	350
	CABS 6040/20	600	400	200	1.2	1.2	2	C	2	550	350
	CABS 6040/25	600	400	250	1.2	1.2	2	C	2	550	350
	CABS 6040/30	600	400	300	1.2	1.2	2	C	2	550	350
	CABS 6050/15	600	500	150	1.2	1.2	2	D	2	550	450
	CABS 6050/20	600	500	200	1.2	1.2	2	D	2	550	450
	CABS 6050/25	600	500	250	1.2	1.2	2	D	2	550	450
	CABS 6050/30	600	500	300	1.2	1.2	2	D	2	550	450
	CABS 6050/15	600	600	150	1.2	1.2	2	D	2	550	550

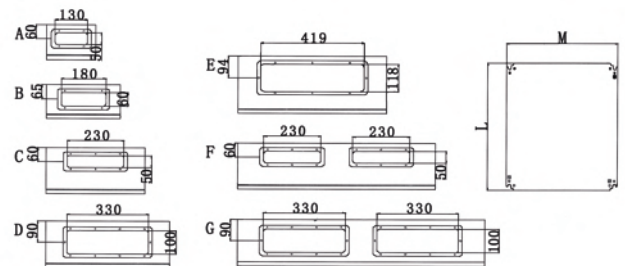
Model	Description	Price
CABS 3025/15	300 X 250 X 150 STEEL ENCLOSURE WITH STEEL LOCK RAL7035	
CABS 4030/20	400 X 300 X 200 STEEL ENCLOSURE WITH STEEL LOCK RAL7035	
CABS 5040/20	500 X 400 X 200 STEEL ENCLOSURE WITH STEEL LOCK RAL7035	
CABS 6040/20	600 X 400 X 200 STEEL ENCLOSURE WITH STEEL LOCK RAL7035	
CABS 8060/25	800 X 600 X 250 STEEL ENCLOSURE WITH STEEL LOCK RAL7035	
CABS 10080/30	1000 X 800 X 300 STEEL ENCLOSURE WITH STEEL LOCK RAL7035	
CABS 12080/30	1200 X 800 X 300 STEEL ENCLOSURE WITH STEEL LOCK RAL7035	
CABS MOUNTING BRACKET	MOUNTING BRACKETS FOR CABS METAL BOXES (4 IN PACK)	
CABS METAL LOCK	METAL LOCK FOR CABS BOXES	

CABS Series Steel Distribution Box Standard_IEC60529

Specification

Model	Size (mm)			Thickness (mm)			Bottom hole size	Lock QTY	Mounting plate size	
	H	W	D	Door	Body	M.P			L	M
CABS 6060/20	600	600	200	1.2	1.2	2	D	2	550	550
CABS 6060/25	600	600	250	1.2	1.2	2	D	2	550	550
CABS 6060/30	600	600	300	1.2	1.2	2	D	2	550	550
CABS 7050/15	700	500	150	1.2	1.2	2	D	2	650	450
CABS 7050/20	700	500	200	1.2	1.2	2	D	2	650	450
CABS 7060/20	700	600	200	1.2	1.2	2	D	2	650	550
CABS 7060/25	700	600	250	1.2	1.2	2	D	2	650	550
CABS 7060/30	700	600	300	1.5	1.5	2	D	2	650	550
CABS 8060/20	800	600	200	1.5	1.5	2	D	2	750	550
CABS 8060/25	800	600	250	1.5	1.5	2	D	2	750	550
CABS 8060/30	800	600	300	1.5	1.5	2	D	2	750	550
CABS 8080/20	800	800	200	1.5	1.5	2	F	2	750	750
CABS 8080/25	800	800	250	1.5	1.5	2	F	2	750	750
CABS 8080/30	800	800	300	1.5	1.5	2	F	2	750	750
CABS 10060/20	1000	600	200	1.5	1.5	2	D	2	950	550
CABS 10060/25	1000	600	250	1.5	1.5	2	D	3	950	550
CABS 10060/30	1000	600	300	1.5	1.5	2	D	3	950	550
CABS 10070/20	1000	700	200	1.5	1.5	2	D	3	950	650
CABS 10080/20	1000	800	200	1.5	1.5	2	F	3	950	750
CABS 10080/25	1000	800	250	1.5	1.5	2	F	3	950	750
CABS 10080/30	1000	800	300	1.5	1.5	2	F	3	950	750
CABS 10080/40	1000	800	400	1.5	1.5	2	F	3	950	750
CABS 100100/25	1000	1000	250	1.5	1.5	2	G	3	950	950
CABS 100100/30	1000	1000	300	1.5	1.5	2	G	3	950	950
CABS 12060/20	1200	600	200	1.5	1.5	2	D	3	1150	550
CABS 12060/25	1200	600	250	1.5	1.5	2	D	3	1150	550
CABS 12060/30	1200	600	300	1.5	1.5	2	D	3	1150	550
CABS 12080/20	1200	800	200	1.5	1.5	2	F	3	1150	750
CABS 12080/25	1200	800	250	1.5	1.5	2	F	3	1150	750
CABS 12080/30	1200	800	300	1.5	1.5	2	F	3	1150	750
CABS 12080/40	1200	800	400	1.5	1.5	2	F	3	1150	750
CABS 120100/25	1200	1000	250	1.5	1.5	2	G	3	1150	750
CABS 120100/30	1200	1000	300	1.5	1.5	2	G	3	1150	950
CABS 120100/40	1200	1000	400	1.5	1.5	2	G	3	1150	950
CABS 14060/30	1400	600	300	1.5	1.5	2	D	3	1350	550
CABS 14080/30	1400	800	300	1.5	1.5	2	F	3	1350	750
CABS 14080/40	1400	800	400	1.5	1.5	2	F	3	1350	750
CABS 140100/30	1400	1000	300	1.5	1.5	2	G	3	1350	950
CABS 140120/30	1400	1200	300	1.5	1.5	2	G	3	1350	1150



Overall and Installation Dimension



Model	Description	Price
CMWB 15158	ETEK STEEL TERMINAL BOX 150X150X80 IP66 RAL7035	
CMWB 151512	ETEK STEEL TERMINAL BOX 150X150X120 IP66 RAL7036	
CMWB 202012	ETEK STEEL TERMINAL BOX 200X200X120 IP66 RAL7037	
CMWB 303012	ETEK STEEL TERMINAL BOX 300X300X120 IP66 RAL7038	
CMWB 404012	ETEK STEEL TERMINAL BOX 400X400X120 IP66 RAL7039	
CMWBS 15158	ETEK STAINLESS STEEL TERMINAL BOX 150X150X80	
CMWBS 151512	ETEK STAINLESS STEEL TERMINAL BOX 150X150X120	
CMWBS 202012	ETEK STAINLESS STEEL TERMINAL BOX 200X200X120	
CMWBS 303012	ETEK STAINLESS STEEL TERMINAL BOX 300X300X120	
CMWBS 404012	ETEK STAINLESS STEEL TERMINAL BOX 400X400X120	

Model	Description	Price
JXF2315	ETEK STAINLESS STEEL ENCLOSURE 300X200X150	
JXF3320	ETEK STAINLESS STEEL ENCLOSURE 300X300X200	
JXF3420	ETEK STAINLESS STEEL ENCLOSURE 400X300X200	
JXF4420	ETEK STAINLESS STEEL ENCLOSURE 400X400X200	
JXF4530	ETEK STAINLESS STEEL ENCLOSURE 500X400X300	
JXF4620	ETEK STAINLESS STEEL ENCLOSURE 600X400X200	
JXF5630	ETEK STAINLESS STEEL ENCLOSURE 600X500X300	
JXF6725	ETEK STAINLESS STEEL ENCLOSURE 700X600X250	
JXF6830	ETEK STAINLESS STEEL ENCLOSURE 800X600X300	
HC707	ETEK ALUMINIUM DIN RAIL 2M LENGTH	
HC701	ETEK STEEL DIN RAIL 2M LENGTH	

Din Rail Switching Power Supply

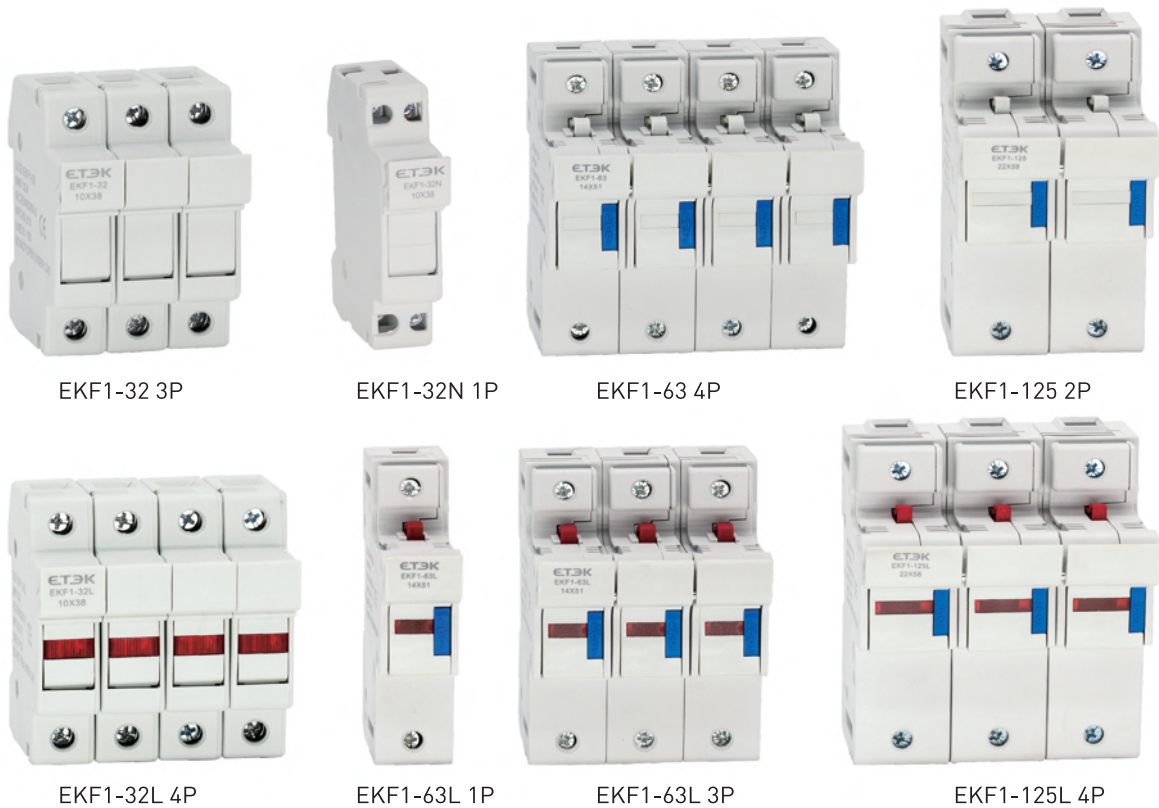
Model	AC input	DC output	R & N	Effi	Over load protection	Over voltage protection	Static Characteristics	Packing
HDR-30 SIZE:77X93X56 PHOTO EK33 	85~264V	5V/4A 12V/2A 15V/2A 24V/1.5A	80mv 120mv 120mv 150mv	74% 81% 82% 83%	105~160% constant current limiting, recovers automatically	105~135% shut down o/p voltage, re-power on to recover	Input voltage change: AC85~115V @80% AC230V @100% Environment temp. change: 60°C@80%; 50°C @100%	0.27kg/pc 45pcs/carton 14.2kg/carton 0.42cuft/ carton
HDR-45 Size: 77x93x56 Photo: EK33 	85~264V	5V/5.5A 12V/3.5A 15V/3A 24V/1.9A	100mv 120mv 240mv 250mv	79% 79% 80% 82%	105~160% constant current limiting, recovers automatically	105~135% shut down o/p voltage, re-power on to recover	Input voltage change: AC85~115V @80% AC230V @100% Environment temp. change: 50°C @80%; 40°C @100%	0.3kg/pc 45pcs/carton 15.5kg/carton 0.42cuft/ carton
HDR-60 Size: 77x93x56 Photo: EK33 	85~264V	5V/7A 12V/5A 15V/4A 24V/2.5A 48V/1.3A	80mv 120mv 120mv 150mv 240mv	76% 82% 83% 84% 84%	105~160% Hiccup mode, recovers automatically	105~135% Hiccup mode, recovers automatically	Input voltage change: AC85~115V @80% AC230V @100% Environment temp. change: 50°C @80%; 40°C @100%	0.31kg/pc 45pcs/carton 16kg/carton 0.42cuft/ carton
HDR-75 Size: 125.2x55.5x100 Photo: EK35 	85~264V	12V/6.3A 24V/3.2A 48V/1.6A	100mv 150mv 240mv	81% 82% 83%	115~150% shut down o/p voltage, recovers automatically	115~135% shut down o/p voltage, recovers automatically	Environment temp. change: 12V60°C@60%; 45°C@100% 24-48V60°C@60%; 50°C@100%	0.6kg/pc 20pcs/carton 14kg/carton 0.42cuft/ carton
HDR-120 Size: 125.2x65.5x100 Photo: EK36 	85~264V	12V/10A 24V/5A 48V/2.5A	80mv 150mv 240mv	80% 84% 85%	115~160% shut down o/p voltage, recovers automatically	115~135% shut down o/p voltage, recovers automatically	Environment temp. change: 12-24V60°C@60%; 45°C@100% 48V60°C@60%; 50°C@100%	0.79kg/pc 20pcs/carton 18kg/carton 0.42cuft/ carton

Technical Data

Description

- Universal AC input full range
- Short circuit, over load & over voltage protection
- Output voltage tolerance±1%
- Safety withstand voltage 3000VAC
- 100%full load burn-in test
- 2 years warranty
- Design refer to UL508TUVEN60950EN55022. 55011.61000
- Working temp. : -10-50°C 20%-90%RH

Model	Description	Price
DR-15-12	ETEK 15WATT/0.88A 12VOLT POWER SUPPLY	
DR-15-24	ETEK 15WATT/0.88A 24VOLT POWER SUPPLY	
HDR-30-12	ETEK 12VDC DIN Rail Power Supply 85-264V IN 2A	
HDR-30-24	ETEK 24VDC DIN Rail Power Supply 85-264V IN 1.5A	
HDR-45-24	ETEK 24VDC DIN Rail Power Supply 85-264V IN 2A	
HDR-60-24	ETEK 24VDC DIN Rail Power Supply 85-264V IN 2.5A	
HDR-75-12	ETEK 12VDC DIN Rail Power Supply 85-264V IN 6.3A	
HDR-75-24	ETEK 24VDC DIN Rail Power Supply 85-264V IN 3.2A	
HDR-120-24	ETEK 24VDC DIN Rail Power Supply 85-264V IN 5A	
HDR-240-24	ETEK 24VDC DIN Rail Power Supply 85-264V IN 10A	



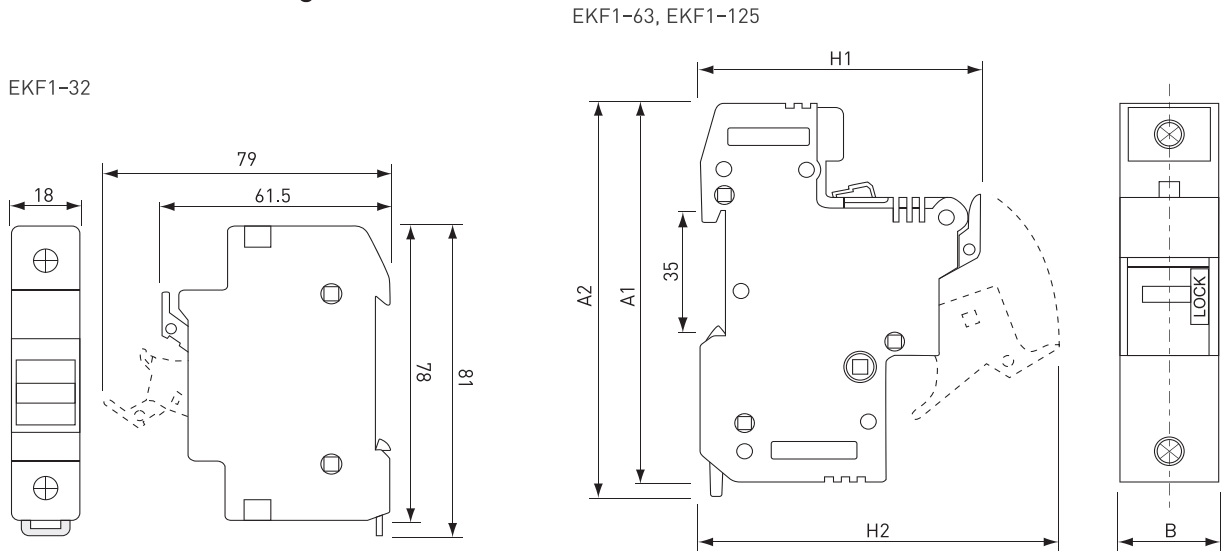
Technical Data

Rated current In	32A, 63A, 125A	
Model No.	General type	EKF1-32, EKF1-63, EKF1-125
	With Indicator type	EKF1-32L, EKF1-63L, EKF1-125L
Poles	1P, 2P, 3P, 4P, 1P+N, 3P+N	
Utilization category	AC-22A	
Rated voltage Ue	240/415V	
Insulation voltage Ui	500V	
Rated frequency	50/60Hz	
Rated impulse withstand voltage(1.5/50) Uimp	4,000V	
Electrical life	1,500Cycles	
Mechanical life	8,500Cycles	
Operating frequency	120/h	
Protection degree	IP20	
Tightening torque	EKF1-32	1.5Nm 14In-lbs
	EKF1-63	2.5Nm 22In-lbs
	EKF1-125	3.5Nm 30In-lbs
Terminal size for cable	EKF1-32	16mm ² 18-5AWG
	EKF1-63	25mm ² 18-3AWG
	EKF1-125	50mm ² 18-2AWG
Ambient temperature (with daily average ≤35°C)	-5°C~+40°C	
Storage temperature	-25°C~+70°C	
Mounting	On DIN rail EN60715(35mm) by means of fast clip device	

Specifications

Model No.	Poles	Wide / Pole (mm)	Current Rating	Fuse Link Matched	Size of Fuse Link
EKF1-32N EKF1-32NL	1P+N	18	32A	EKFL10	10X38mm
EKF1-32 EKF1-32L	1-4P, 3P+N	18	32A	EKFL10, EKFL10DC	10X38mm
EKF1-63 EKF1-63L	1-4P, 3P+N	27	63A	EKFL14	14x51mm
EKF1-125 EKF1-125L	1-4P, 3P+N	35	125A	EKFL22	22x58mm

Overall and Mounting Dimension






Size	A1	A2	B	H1	H2
EKF1-63	108	111	27	76	100
EKF1-125	127	128	35	77	104

Model	Description	Price
EKF1-32N	SINGLE POLE AND NEUTRAL FUSE CARRIER 32A 10X38	
EKF1-32 1P	1 POLE FUSE CARRIER 32A 10X38	
EKF1-32 2P	2 POLE FUSE CARRIER 32A 10X38	
EKF1-32 3P	3 POLE FUSE CARRIER 32A 10X38	
EKF1-63 1P	1 POLE FUSE CARRIER 63A 14X51	
EKF1-63 2P	2 POLE FUSE CARRIER 63A 14X51	
EKF1-63 3P	3 POLE FUSE CARRIER 63A 14X51	
EKF1-125 1P	1 POLE FUSE CARRIER 125A 22X58	
EKF1-125 2P	2 POLE FUSE CARRIER 125A 22X58	
EKF1-125 3P	3 POLE FUSE CARRIER 125A 22X58	

Technical Data

Material	Porcelain, Copper
Rated Voltage Ui	AC 500V, 600V
Rated current In	1-125A
Dimensions	10x38,14x51,22x58
Character	gG, aM, oR
Breaking capacity	100kA,120kA

Specifications

Current Rating	Size & Mode No.			
				
	10X38MM	14X51MM	25X58MM	10X38(DC)
1A	EKFL1001			EKFL1001DC
2A	EKFL1002			EKFL1002DC
4A	EKFL1004			EKFL1004DC
6A	EKFL1006	EKFL1406		EKFL1006DC
8A	EKFL1008	EKFL1408		EKFL1008DC
10A	EKFL1010	EKFL1410		EKFL1010DC
12A	EKFL1012	EKFL1412		EKFL1012DC
16A	EKFL1016	EKFL1416		EKFL1016DC
20A	EKFL1020	EKFL1420		EKFL1020DC
25A	EKFL1025	EKFL1425	EKFL2225	EKFL1025DC
32A	EKFL1032	EKFL1432	EKFL2232	
40A		EKFL1440	EKFL2240	
50A		EKFL1450	EKFL2250	
63A		EKFL1463	EKFL2263	
80A			EKFL2280	
100A			EKFL22100	
125A			EKFL22125	
Breaking capacity	gG type AC 500V	120kA	120kA	120kA
	aM type AC 500V	100kA	100kA	100kA
	oR type AC 600V	100kA	100kA	100kA
	Gpv type DC 1000V			40ka
Voltage Rating	AC 690	AC 690	AC 690	DC 1000V
Weight(g)	8.4	20.5	58	10.3

Model	Description	Price
FUSE 10X38 1A	ETEK FUSE LINK 10X38MM 1AMP	
FUSE 10X38 2A	ETEK FUSE LINK 10X38MM 2AMP	
FUSE 10X38 4A	ETEK FUSE LINK 10X38MM 4AMP	
FUSE 10X38 6A	ETEK FUSE LINK 10X38MM 6AMP	
FUSE 10X38 10A	ETEK FUSE LINK 10X38MM 10AMP	
FUSE 10X38 12A	ETEK FUSE LINK 10X38MM 12AMP	
FUSE 10X38 16A	ETEK FUSE LINK 10X38MM 16AMP	
FUSE 10X38 20A	ETEK FUSE LINK 10X38MM 20AMP	
FUSE 10X38 25A	ETEK FUSE LINK 10X38MM 25AMP	
FUSE 10X38 32A	ETEK FUSE LINK 10X38MM 32AMP	

Model	Description	Price
FUSE 14X51 40A	ETEK FUSE LINK 14X51 40AMP	
FUSE 14X51 50A	ETEK FUSE LINK 14X51 50AMP	
FUSE 14X51 63A	ETEK FUSE LINK 14X51 63AMP	
FUSE 22X58 25A	ETEK FUSE LINK 22X58 25AMP	
FUSE 22X58 32A	ETEK FUSE LINK 22X58 32AMP	
FUSE 22X58 40A	ETEK FUSE LINK 22X58 40AMP	
FUSE 22X58 50A	ETEK FUSE LINK 22X58 50AMP	
FUSE 22X58 63A	ETEK FUSE LINK 22X58 63AMP	
FUSE 22X58 80A	ETEK FUSE LINK 22X58 80AMP	
FUSE 22X58 100A	ETEK FUSE LINK 22X58 100AMP	
FUSE 22X58 125A	ETEK FUSE LINK 22X58 125AMP	



Technical Data


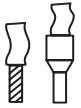
Electrical Features

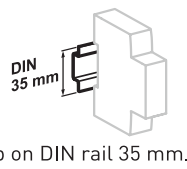
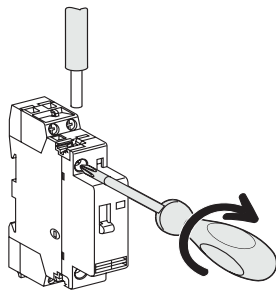
Voltage rating(Ue)	1P, 2P	250V AC
	3P, 4P	400V AC
Frequency	50/60Hz	
Endurance(0°C)		
Electrical life	100,000	
Maximum number of switching operation a day	100	
Additional characteristics		
Insulation voltage(Ui)	500V AC	
Pollution degree	2	
Rated impulse withstand voltage(Uimp)	2.5kV(4kV@ 12/24/48VAC)	
Degree of protection (IEC 60529)	IP20 IP40	
Operating temperature	-5°C~+60°C(1)	
Storage temperature	-40°C~+70°C	
Tropicalization(IEC 60068-1)	Treatment 2 (relative humidity 95% at 55°C)	
ELSV compliance(Extra Low Safety Voltage) for 12/24/48VAC versions		
The product control conforms to the SELV (safety extra low voltage) requirements		

(1) In the case of contactor mounting in a enclosure for which the interior temperature is in range between 50°C and 60°C, it is necessary to use a spacer, between each contactor

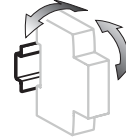
Model	Description	Price
EKMF16A2P1M	16A MODULAR CONTACTOR 2POLE 1 MOD AUTO 2NO	
EKMF25A2P1M	25A MODULAR CONTACTOR 2POLE 1 MOD AUTO 2NO	
EKMF40A4P3M	40A MODULAR CONTACTOR 4POLE 3 MOD AUTO 4NO	
EKMF63A4P3M	63A MODULAR CONTACTOR 4POLE 3 MOD AUTO 4NO	
EKMF100A4P3M	100A MODULAR CONTACTOR 4POLE 3 MOD AUTO 4NO	
EKMF1NO/1NCAUX	AUXILIARY CONTACTS 1NO/1NC	

Connection

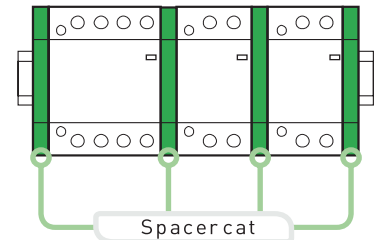
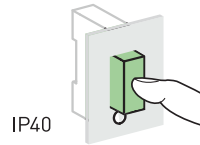
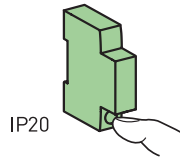
Type		Rating	Length tripping	Circuit	Tightening torque	Copper cables	
						Rigid	Flexible or ferrule
EKMF	PZ1:4MM	16-100 A	9mm	Control	0.8N.m		
		16~25 A					
	PZ2:6MM	40A-63A	14mm	Power	3.5N.m		
		100A					
						1.5~2.5mm ² 2×1.5mm ²	1.5~2.5mm ² 2×2.5mm ²
						1.5~6mm ²	1~4mm ²
						6~25mm ²	6~16mm ²
						6×3.5mm ²	6~35mm ²



Clip on DIN rail 35 mm.



±30°vertical.a

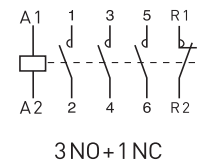
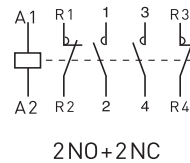
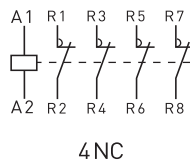
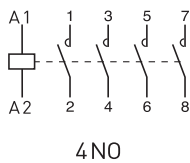
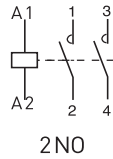
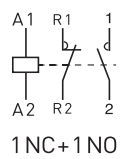
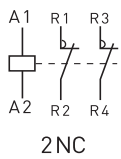


Consumption

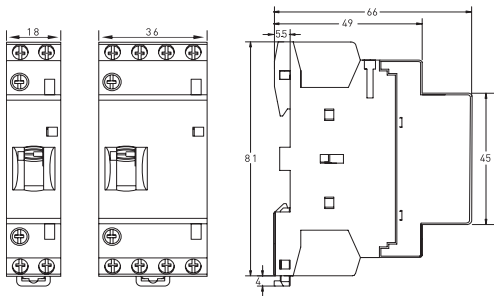
EKMF Contactors -50Hz	Rating(In)		Control voltage (VAC)(50/60 Hz)	Consumption		Max. power
	AC-7a	AC-7b		Holding	Inrush	
2P	16A	6A	220...240	2.7VA	9.2VA	1.2W
	20A	7A	220...240	2.7VA	9.2VA	1.2W
	25A	9A	220...240	3.8VA	15VA	1.2W
	40A	18A	220...240	4.6VA	34VA	1.6W
	63A	25A	220...240	4.6VA	34VA	1.6W
	100A	-	220...240	6.5VA	53VA	2.1W
4P	16A	6A	220...240	4.6VA	34VA	1.6W
	25A	9A	220...240	4.6VA	34VA	1.6W
	32A	12A	220...240	6.5VA	53VA	2.1W
	40A	18A	220...240	6.5VA	53VA	2.1W
	63A	25A	220...240	6.5VA	53VA	2.1W
	100A	-	220...240	13VA	106VA	4.2W

EKMF Manual Control Contactor -50Hz	Rating(In)		Control voltage (VAC)(50/60 Hz)	Consumption		Max. power
	AC-7a	AC-7b		Holding	Inrush	
	2P	25A	9A	230...240	2.7VA	9.2VA
40A		18A	220...240	4.6VA	34VA	1.6W
63A		25A	220...240	4.6VA	34VA	1.6W
4P	25A	9A	220...240	4.6VA	34VA	1.6W
	40A	18A	220...240	6.5VA	53VA	2.1W
	63A	25A	220...240	6.5VA	53VA	2.1W

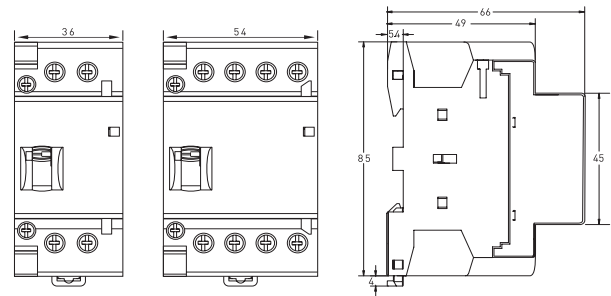
Circuit Diagram



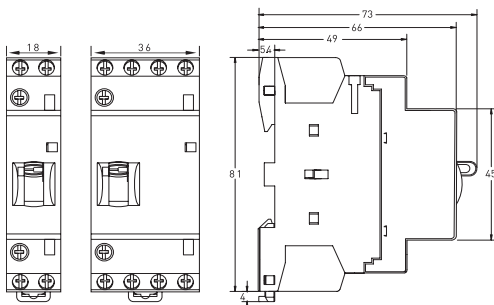
Overall and Installation Dimension



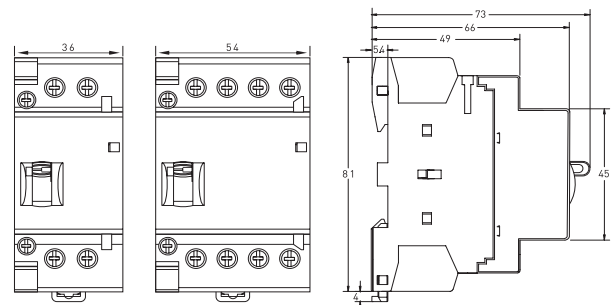
EKMF-16/20/25A



EKMF-32/40/63A



EKMF manual control contactor 16/25A



EKMF manual control contactor 40/63A



General

Applications

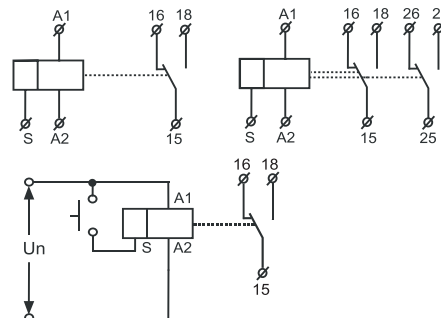
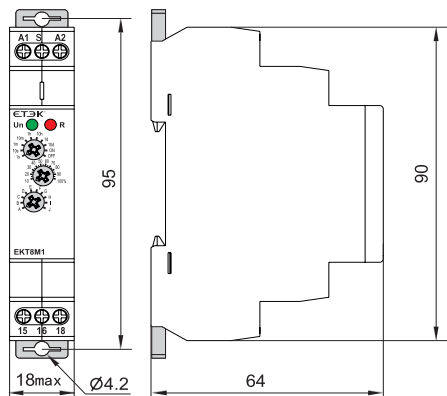
- Multifunction time relay can be used for electrical appliances, control of lights, heating, motors, pumps and fans (10 functions, 10 time ranges, multi-voltage).

Function Features

- 10 functions: -5 time functions controlled by supply voltage
- 4 time functions controlled by control input
- 1 function of latching relay
- Comfortable and well-arranged function and time-range setting by rotary switches.
- Time scale 0.1s-10days divided into 10 ranges.
- Relay status is indicated by LED.
- 1-MODULE,DIN rail mounting.

Technical parameters

Technical parameters	EKT8-M1	EKT8-M2
Function	A, B, C, D, E, F, G, H, I, J	
Supply terminals	A1-A2	
Voltage range	AC/DC 12-240V (50-60Hz)	
Burden	AC 0.09-3VA/DC 0.05-1.7W	
Voltage range	AC 230V (50-60Hz)	
Power input	AC max.6VA/1.3W	AC max.6VA/1.9W
Supply voltage tolerance	-15%; +10%	
Supply indication	Green LED	
Time ranges	0.1s-10days, ON, OFF	
Time setting	Potentionmeter	
Time deviation	10%-mechanical setting	
Repeat accuracy	0.2%-set value stability	
Temperature coefficient	0.05%/°C, at=20°C (0.05°F, at=68°F)	
Output	1×SPDT	2×SPDT
Current rating	1×16A/AC1	2×16A/AC1
Switching voltage	250VAC/24VDC	
Min.breaking capacity DC	500mW	
Output indication	Red LED	
Mechanical life	1×10 ⁷	
Electrical life (AC1)	1×10 ⁵	
Reset time	Max.200ms	
Operating temperature	-20°C to +55°C (-4°C to 131°C)	
Storage temperature	-35°C to +75°C (-22°C to 158°C)	
Mounting/DIN rail	Din rail EN/IEC 60715	
Protection degree	IP40 for front panel/IP20 terminals	
Operating position	Any	
Overvoltage category	III.	
Pollution degree	2	
Max.cable size(mm²)	Solid wire max.1×2.5 or 2×1.5/with sleeve max.1×2.5(AWG 12)	
Dimensions	90×18×64mm	
Weight	1×SPDT: W240- 62g, A230-60g	2×SPDT: W240- 82g, A230-81g
Standards	IEC61812-1, IEC60947-5-1	



Model	Description	Price
EKT8-M1-12-240AD	ETEK MULTIFUNCTION TIME RELAY 12-240V	



General

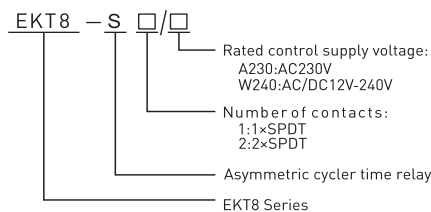
Applications

- It is used for regular room ventilation, cyclic dehumidification, light control, circulating pumps, noon signs, etc.

Function Features

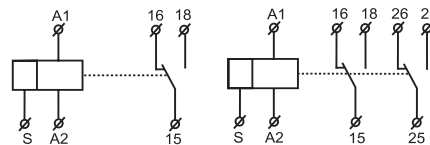
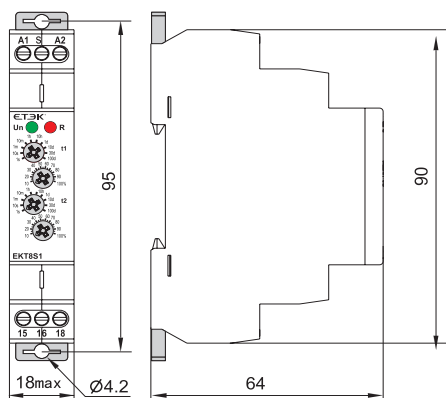
- 2 time functions:
 - Cyclers beginning with pulse
 - Cyclers beginning with pause
- Function choice is done by an external jumper of terminals S-A1.
- Time scale 0.1s-100days divided into 10 time ranges: (0.1s-1s/1s-10s/0.1min-1min/1min-10min/0.1hrs-1h/1hrs-10hrs/0.1day-1day/1day-10days/3days-30days/10days-100days).
- Relay status is indicated by LED.
- 1-MODULE, DIN rail mounting.

Model and connotation





Technical parameters

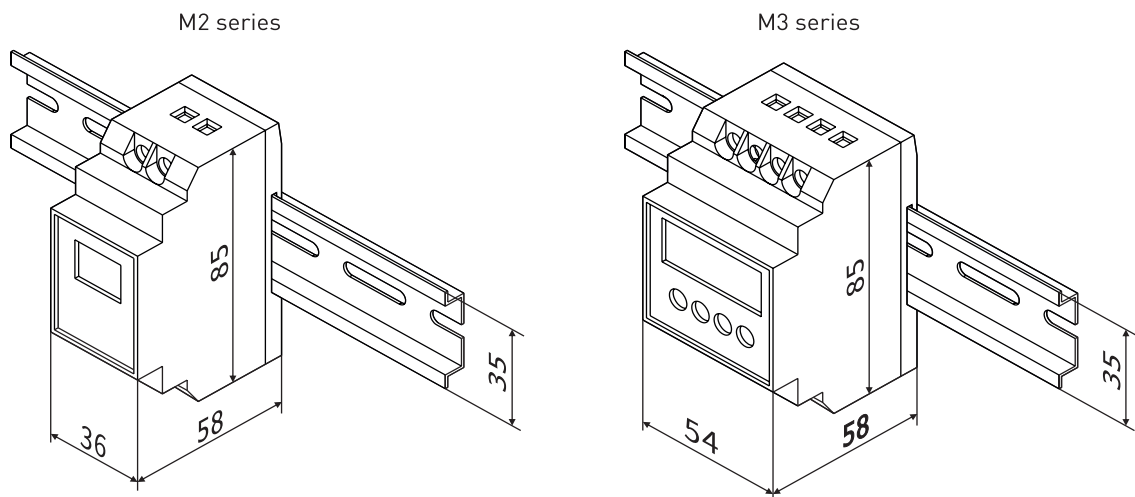
Technical parameters	EKT8-S1	EKT8-S2
Function	Asymmetric cyclers time relay	
Supply terminals	A1-A2	
Voltage range	AC/DC 12-240V (50-60Hz)	
Burden	AC 0.09-3VA/DC 0.05-1.7W	
Voltage range	AC 230V (50-60Hz)	
Power input	AC max.6VA/1.3W	AC max.6VA/1.9W
Supply voltage tolerance	-15%; +10%	
Supply indication	Green LED	
Time ranges	0.1s-10days, ON, OFF	
Time setting	Potentionmeter	
Time deviation	10%-mechanical setting	
Repeat accuracy	0.2%-set value stability	
Temperature coefficient	0.05%/°C, at=20°C (0.05°F, at=68°F)	
Output	1xSPDT	2xSPDT
Current rating	1x16A/AC1	2x16A/AC1
Switching voltage	250VAC/24VDC	
Min.breaking capacity DC	500mW	
Output indication	Red LED	
Mechanical life	1x10 ⁷	
Electrical life (AC1)	1x10 ⁵	
Reset time	Max.200ms	
Operating temperature	-20°C to +55°C (-4°C to 131°C)	
Storage temperature	-35°C to +75°C (-22°C to 158°C)	
Mounting/DIN rail	Din rail EN/IEC 60715	
Protection degree	IP40 for front panel/IP20 terminals	
Operating position	Any	
Overvoltage category	III.	
Pollution degree	2	
Max.cable size(mm ²)	Solid wire max.1x2.5 or 2x1.5/with sleeve max.1x2.5(AWG 12)	
Dimensions	90x18x64mm	
Weight	1xSPDT: W240- 62g, A230-61g	2xSPDT: W240- 82g, A230-82g
Standards	IEC61812-1, IEC60947-5-1	



Model	Description	Price
EKT8-S1-12-240AD	ASYMMETRIC CYCLERS TIME RELAY 12-240V	
EKLR1611/24DC	EOTEK IMPULSE RELAY 16A 1NC+1NO 2P 1Module 24VDC	
EKLR1611/230VAC	EOTEK IMPULSE RELAY 16A 1NC+1NO 2P 1Module 230VAC	




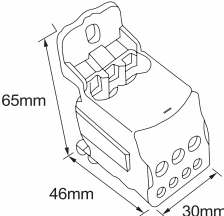
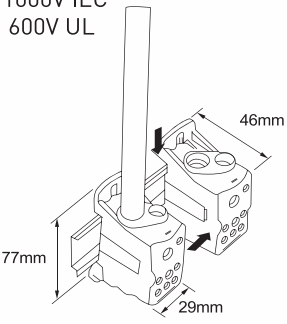
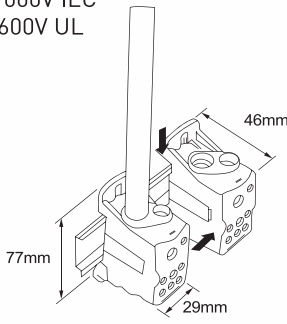
			
Voltage+Amper Meter EKMVA-M2	Voltage+Amper Meter with C.T EKMVACT-M2	Amper Meter EKMA-M3	Voltage Meter EKMV-M3
Modulars: 2(W=36mm)	Modulars: 2(W=36mm)	Modulars: 3(W=54mm)	Modulars: 3(W=54mm)
Measuring Range: 80-300V,0-999A	Measuring Range: 80-300V,0-100A	Measuring Range: 0-9999A	Measuring Range: 0-600V
Signal Input: AC 80-300V,5A	Signal Input: AC 80-300V,0-100A	Signal Input: AC 5A	Signal Input: AC 0-600V
Accuracy Class: ±(1%FS+1digit)	Accuracy Class: ±(1%FS+1digit)	Accuracy Class: ±(0.5%FS+1digit)	Accuracy Class: ±(0.5%FS+1digit)
Auxiliary Power: No	Auxiliary Power: No	Auxiliary Power: AC220V,50/60Hz	Auxiliary Power: AC220V,50/60Hz

Overall and Installation Dimension






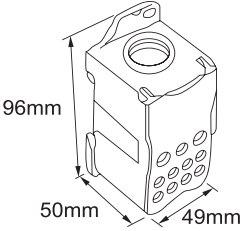
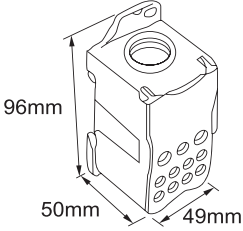
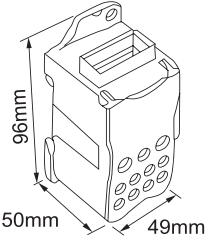
Model	Description	Price
EKMVA-M2	ETEK VOLTAGE AND AMP METER 2MOD 80-300V/0-999A	
EKMVACT-M2	ETEK VOLTAGE AND AMP METER 2MOD WITH C.T 80-300V/0-100A	
EKMA-M3	ETEK AMP METER 3MOD 0-9999A	
EKMV-M3	ETEK VOLT METER 3MOD 0-600V	

Power Distribution Terminal Block

<p>JUT11-80/BE Order No: JUT11-80</p>	<p>JUT11-125/BE Order No: JUT11-125</p>	<p>JUT11-160/BE Order No: JUT11-160</p>																																																																																																
																																																																																																		
<p>80A IEC 60947-7-1 85 Amp(UL Applying)</p> <p>Mouldar: Single-strand line, can be extended jumper, can be double neutral line</p>	<p>125A IEC 60947-7-1 150 Amp(UL Applying)</p> <p>Mouldar: Single-strandline, can be extended jumper, can be double neutral line</p>	<p>160A IEC 60947-7-1 200Amp(UL Applying)</p> <p>Mouldar: Single-strand line, can be extended jumper, can be double neutral line</p>																																																																																																
<p>Specification / Schematic drawing</p>	<p>Specification / Schematic drawing</p>	<p>Specification / Schematic drawing</p>																																																																																																
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Model	Description	Price
<p>JUT11-80/BE JUT11-125/BE JUT11-160/BE</p>	<p>ETEK DISTRIBUTION BLOCK 80AMP ETEK DISTRIBUTION BLOCK 125AMP ETEK DISTRIBUTION BLOCK 160AMP</p>	

Power Distribution Terminal Block

<p>JUT11-250/BE Order No: JUT11-250</p>	<p>JUT11-400/BE Order No: JUT11-400</p>	<p>JUT11-500/BE Order No: JUT11-500</p>																																																																																																																																							
																																																																																																																																									
<p>250A IEC 60947-7-1 255 Amp(UL Applying)</p> <p>Mouldar: Allows a variety of combinations, can be used unipolar, bipolar, three poles, four poles</p>	<p>400A IEC 60947-7-1 335Amp(UL Applying)</p> <p>Mouldar: Allows a variety of combinations, can be used unipolar, bipolar, three poles, four poles</p>	<p>500A IEC 60947-7-1 335Amp(UL Applying)</p> <p>Mouldar: Allows a variety of combinations, can be used unipolar, bipolar, three poles, four poles</p>																																																																																																																																							
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Model	Description	Price
<p>JUT11-250/BE JUT11-400/BE JUT11-500/BE</p>	<p>ETEK DISTRIBUTION BLOCK 250AMP ETEK DISTRIBUTION BLOCK 400AMP ETEK DISTRIBUTION BLOCK 500AMP</p>	

Nylon Cable Gland

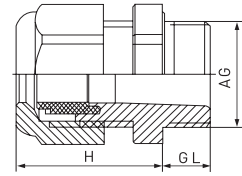
Material: Nylon PA (UL File NO:E240925)

Hermetic seal: Nitrile rubber

Protection degree: IP68 pressure (With rubber ring)

Ambient temperature: Quiescent state -40 to 100°C, short time to 120°C
Dynamic -20°C, short time to 100°C

Supply colour: Light Grey RAL7035 Black RAL9005 White RAL9016 Red RAL3020



cULus TÜV CE RoHS

Model	Description	Price
NCGB16	Nylon Cable Gland BLACK 16MM (with nut+rubber ring)	
NCGB20	Nylon Cable Gland BLACK 20MM (with nut+rubber ring)	
NCGB25	Nylon Cable Gland BLACK 25MM (with nut+rubber ring)	
NCGB32	Nylon Cable Gland BLACK 32MM (with nut+rubber ring)	
NCGB40	Nylon Cable Gland BLACK 40MM (with nut+rubber ring)	
NCGB50	Nylon Cable Gland BLACK 50MM (with nut+rubber ring)	
NCGB63	Nylon Cable Gland BLACK 63MM (with nut+rubber ring)	
ALL ABOVE ALSO AVAILABLE IN GREY		

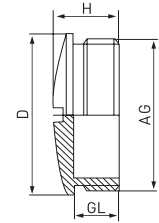
Material: Nylon PA(UL File NO:E240925)

Hermetic seal: Nitrile rubber

Protection degree: IP68 pressure (With rubber ring)

Ambient temperature: Quiescent state -40 to 100°C, short time to 120°C
Dynamic -20°C, short time to 100°C

Supply colour: Light Grey RAL7035 Black RAL9005 White RAL9016 Red RAL3020

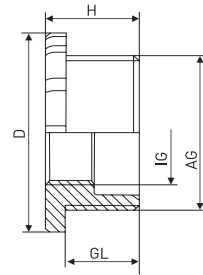


UL US TÜV CE RoHS

Model	Description	Price
BLANK 16MM	16MM BLANK WITH NUT AND RUBBER RING	
BLANK 20MM	20MM BLANK WITH NUT AND RUBBER RING	
BLANK 22MM	22MM BLANK WITH NUT AND RUBBER RING	
BLANK 25MM	25MM BLANK WITH NUT AND RUBBER RING	
BLANK 32MM	32MM BLANK WITH NUT AND RUBBER RING	
BLANK 40MM	40MM BLANK WITH NUT AND RUBBER RING	

Reduction Connector

Material: Nylon PA (UL File NO:E240925)
 Hermetic seal: Nitrile rubber
 Protection degree: IP68 pressure (With rubber ring)
 Ambient temperature: Quiescent state -40 to 100°C, short time to 120°C
 Dynamic -20°C, short time to 100°C
 Supply colour: Light Grey RAL7035 Black RAL9005



UL US TÜV CE RoHS

M Type

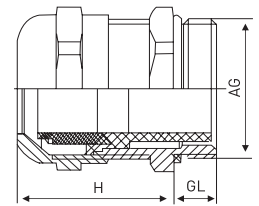
Thread	IG	GL mm	H mm	D mm	AG mm	IG mm
M20 X 1.5	M12 X 1.5	8	12	27	20	12
M20 X 1.5	M16 X 1.5	8	12	27	20	16
M25 X 1.5	M16 X 1.5	10	13	29	25	16
M25 X 1.5	M20 X 1.5	10	13	29	25	20
M32 X 1.5	M20 X 1.5	11	13.5	36	32	20
M32 X 1.5	M25 X 1.5	11	13.5	36	32	25
M40 X 1.5	M25 X 1.5	11	13.5	46	40	25
M40 X 1.5	M32 X 1.5	11	13.5	46	40	32
M50 X 1.5	M32 X 1.5	11	15	58	50	32
M50 X 1.5	M40 X 1.5	11	15	58	50	40

Model	Description	Price
BRASS LOCK NUT M20	ETEK BRASS LOCK NUT M20X1.5	
BRASS LOCK NUT M25	ETEK BRASS LOCK NUT M25X1.5	
BRASS LOCK NUT M32	ETEK BRASS LOCK NUT M32X1.5	
BRASS LOCK NUT M40	ETEK BRASS LOCK NUT M40X1.5	
BRASS LOCK NUT M50	ETEK BRASS LOCK NUT M50X1.5	
BRASS LOCK NUT M63	ETEK BRASS LOCK NUT M63X1.5	
REDUCER BRASS 20-16	REDUCER BRASS 20-16	
REDUCER BRASS 25-20	REDUCER BRASS 25-20	
REDUCER BRASS 32-20	REDUCER BRASS 32-20	
REDUCER BRASS 32-25	REDUCER BRASS 32-25	
REDUCER BRASS 40-25	REDUCER BRASS 40-25	
REDUCER BRASS 40-32	REDUCER BRASS 40-32	
REDUCER BRASS 50-32	REDUCER BRASS 50-32	
REDUCER BRASS 50-40	REDUCER BRASS 50-40	
REDUCER BRASS 63-40	REDUCER BRASS 63-40	
REDUCER BRASS 63-50	REDUCER BRASS 63-50	



Metal Cable Gland

- Material: Brass nickel plate
- Claw parts: Nylon PA (UL File NO:E240925)
- Hermetic seal: Nitrile rubber
- Protection degree: IP68 pressure (With rubber ring)
- Ambient temperature: -40 to 100°C, short time to 120°C

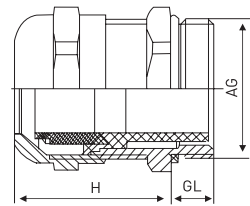


CE RoHs

Model	Description	Price
BCG20	20MM Brass Cable Gland (with nut+rubber ring) 6-12	
BCG25	25MM Brass Cable Gland (with nut+rubber ring) 12-16	
BCG32	32MM Brass Cable Gland (with nut+rubber ring) 16-22	
BCG40	40MM Brass Cable Gland (with nut+rubber ring) 22-30	
BCG50	50MM Brass Cable Gland (with nut+rubber ring) 32-38	
BCG63	63MM Brass Cable Gland (with nut+rubber ring) 37-44	

Stainless Steel Metal Cable Gland

- Material: Brass nickel plate
- Claw parts: Nylon PA (UL File NO:E240925)
- Hermetic seal: Nitrile rubber
- Protection degree: IP68 pressure (With rubber ring)
- Ambient temperature: -40 to 100°C, short time to 120°C



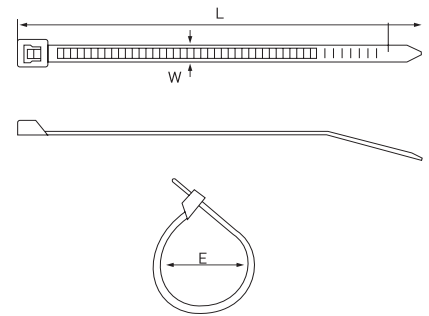
CE RoHs

Model	Description	Price
SSCG20S	ETEK 20MM STAINLESS STEEL CABLE GLAND 6-12MM	
SSCG20	ETEK 20MM STAINLESS STEEL CABLE GLAND 10-14MM	
SSCG25	ETEK 25MM STAINLESS STEEL CABLE GLAND 13-18MM	
SSCG32	ETEK 32MM STAINLESS STEEL CABLE GLAND 18-25MM	
SSCG40	ETEK 40MM STAINLESS STEEL CABLE GLAND 22-32MM	
SSCG50	ETEK 50MM STAINLESS STEEL CABLE GLAND 32-38MM	
SSCG63	ETEK 63MM STAINLESS STEEL CABLE GLAND 37-44MM	

Nylon Cable Gland

Material: Nylon 66,94V2 certified by UL.
Heat resisting, erosion control,
insulate well and not apt to age.

Colour: Natural (or white, standard colour),
UV black and other colours are
available as requested.

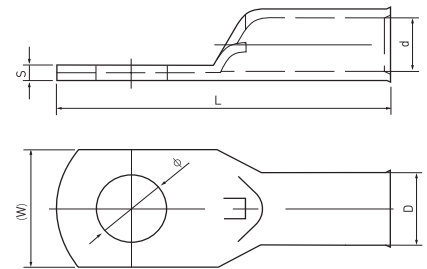


CE RoHs

Model	Description	Price
CBT2.5X100B	2.5 X 100MM BLACK NYLON CABLE TIES	
CBT2.5X100N	2.5 X 100MM NATURAL NYLON CABLE TIES	
CBT2.5X200B	2.5 X 200MM BLACK NYLON CABLE TIES	
CBT2.5X200N	2.5 X 200MM NATURAL NYLON CABLE TIES	
CBT3.6X200B	3.6 X 200MM BLACK NYLON CABLE TIES	
CBT3.6X200N	3.6 X 200MM NATURAL NYLON CABLE TIES	
CBT3.6X300B	3.6 X 300MM BLACK NYLON CABLE TIES	
CBT3.6X300N	3.6 X 300MM NATURAL NYLON CABLE TIES	
CTM20X20B	CABLE TIE Black Mount 20x20 PACK OF 100	
CTM20X20N	CABLE TIE Natural Mount 20x20 PACK OF 100	
CTM30X30B	CABLE TIE Black Mount 30x30 PACK OF 100	
CTM30X30N	CABLE TIE Natural Mount 30x30 PACK OF 100	

Cable Lug

Material: These products are suitable for the connection of copper conductors (section 1.5mm²-1000mm²) in power cable with electronic equipment. They are made of copper tube T2 and coated with tin. Working temperature -55°C to 150°C.






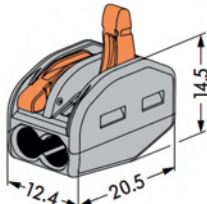
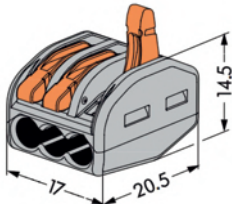
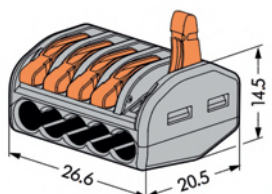
Item no.	φ		D	d	l	(W)	S	
SC(JGB) -1.5	φ 42,	φ 5.2	3.5	2.5	19	7	1	
SC(JGB)-2.5	φ 4.2,	φ 5.2	4	3	20	8	1	
SC(JGB)-4	φ 5.2,	φ 6.4	4.8	3.5	22	8	1.2	
SC(JGB)-6	φ 5.2,	φ 6.4	5.5	4.1	24.5	9	1.4	
SC(JGB) -10	φ 6.4,	φ 8.4	6.7	5	26	11	1.6	
SC(JGB)-16	φ 6.4,	φ 8.4	7.5	5.8	32	12	1.8	
SC(JGB) -25	φ 6.4,	φ 8.4,	φ 10.5	9	7.2	34.5	13	1.8
SC(JGB)-35	φ 6.4,	φ 8.4,	φ 10.5	10.5	8.5	38	15	2
SC(JGB)-50	φ 8.4,	φ 10.5	12.5	10.1	47	18	2.4	
SC(JGB)-70	φ 10.5,	φ 12.5	14.5	11.7	52	21	2.8	
SC(JGB) -95	φ 10.5,	φ 12.5	17	13.8	57	25	3.2	
SC(JGB)-120	φ 12.5,	φ 16.5	19.5	15.9	63	28	3.6	
SC(JGB) -150	φ 12.5,	φ 16.5	20.5	16.7	71	30	3.8	
SC(JGB)-185	φ 16.5		23.5	19.1	78.5	34	4.4	
SC(JGB) -240	φ 16.5		26	21.4	92.5	38	4.6	
SC(JGB)-300	φ 16.5,	φ 20.5	30	24.6	102	44	5.4	
SC(JGB)-400	φ 16.5,	φ 20.5	34	27.4	113	50	6.6	
SC(JGB)-500	φ 16.5,	φ 20.5	38	30.8	122.5	55	7.2	
SC(JGB) -630	φ 20.5		45	35.6	135	65	9.2	

Model	Description	Price
CT6-8	COPPER LUG 6-8	
CT6-10	COPPER LUG 6-10	
CT10-6	COPPER LUG 10-6	
CT10 -8	COPPER LUG 10-8	
CT10-10	COPPER LUG 10-10	
CT16-8	COPPER LUG 16-8	
CT16-10	COPPER LUG 16-10	
CT25-8	COPPER LUG 25-8	
CT25-10	COPPER LUG 25-10	
CT35-8	COPPER LUG 35-8	
CT35-10	COPPER LUG 35-10	
CT35-12	COPPER LUG 35-12	
CT50-8	COPPER LUG 50-8	
CT50-10	COPPER LUG 50-10	
CT50-12	COPPER LUG 50-12	
CT70-8	COPPER LUG 70-8	
CT70-10	COPPER LUG 70-10	
CT70-12	COPPER LUG 70-12	
CT95-8	COPPER LUG 95-8	
CT95-10	COPPER LUG 95-10	
CT95-12	COPPER LUG 95-12	
CT120-8	COPPER LUG 120-8	
CT120-10	COPPER LUG 120-10	
CT120-12	COPPER LUG 120-12	
CT240-10	COPPER LUG 240-10	
CT240-12	COPPER LUG 240-12	
CT300-10	COPPER LUG 300-10	
CT300-12	COPPER LUG 300-12	

Clip-in to Lock type Wire Connector

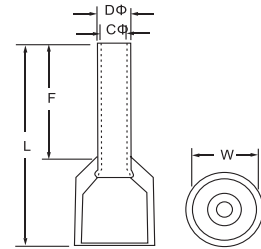
Main material: PC and Copper

Main Technical Data

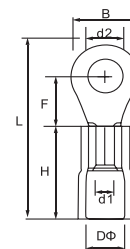
Model		KV222-412	KV222-413	KV222-415
				
Way No.		2	3	5
Max. Wire Size	mm ²	2.5	2.5	2.5
Colour		Orange	Orange	Orange
Rated Voltage (Ue)	V	415	415	415
Rated Impulse Withstand Voltage (Uimp)	KV	2.5	2.5	2.5
Rated Current (In)	A	32	32	32
Applicable Conductor type		e+f	e+f	e+f
Minimum Stripping Length	mm	9-10	9-10	9-10
	Inch	0.37	0.37	0.37
Minimum Cut Area of Wire	mm ²	0.75-2.5	0.75-2.5	0.75-2.5
	AGW	18-12	18-12	18-12
Weight	g	3.1	4.26	6.83
Photo/Size(mm)				

Model	Description	Price
VK222 -412	ETEK 2 POLE CLIP IN WIRE CONNECTOR	
VK222 -413	ETEK 3 POLE CLIP IN WIRE CONNECTOR	
VK222 -415	ETEK 5 POLE CLIP IN WIRE CONNECTOR	
VK-121	ETEK DIN RAIL 1 POLE CLIP IN WIRE CONNECTOR	
VK-212	ETEK 2 POLE CLIP IN WIRE CONNECTOR STRAIGHT THROUGH	
VK-313	ETEK 3 POLE CLIP IN WIRE CONNECTOR STRAIGHT THROUGH	

Insulated Cord End Terminal (TG-JT)

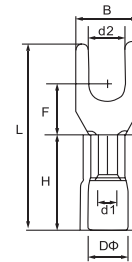
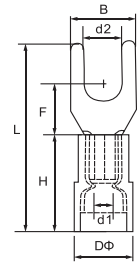


Model	Description	Price
E0508 ORANGE	0.5MM ORANGE BOOTLACE FERRULE - (BAG 100)	
E7508 WHITE	0.75MM WHITE BOOTLACE FERRULE - (BAG 100)	
E1008 YELLOW	1.0MM YELLOW BOOTLACE FERRULE - (BAG 100)	
E1508 RED	1.5MM RED BOOTLACE FERRULE - (BAG 100)	
E2512 BLUE	2.5MM BLUE BOOTLACE FERRULE - (BAG 100)	
E4012 GREY	4.0MM GREY BOOTLACE FERRULE - (BAG 100)	
E6012 BLACK	6.0MM BLACK BOOTLACE FERRULE - (BAG 100)	
E10-12 IVORY	10MM IVORY BOOTLACE FERRULE - (BAG 100)	
E16-12 GREEN	16MM GREEN BOOTLACE FERRULE - (BAG 100)	
E25-16 BROWN	25MM BROWN BOOTLACE FERRULE - (BAG 100)	
E35-16 RED	35MM RED BOOTLACE FERRULE - (BAG 100)	
TE0508 ORANGE	0.5MM DOUBLE ORANGE BOOTLACE FERRULE - (BAG 100)	
TE7508 WHITE	0.75MM DOUBLE WHITE BOOTLACE FERRULE - (BAG 100)	
TE1008 YELLOW	1.0MM DOUBLE YELLOW BOOTLACE FERRULE - (BAG 100)	
TE1508 RED	1.5MM DOUBLE RED BOOTLACE FERRULE - (BAG 100)	
TE2513 BLUE	2.5MM DOUBLE BLUE BOOTLACE FERRULE - (BAG 100)	
TE4012 GREY	4.0MM DOUBLE GREY BOOTLACE FERRULE - (BAG 100)	
TE6014 BLACK	6.0MM DOUBLE BLACK BOOTLACE FERRULE - (BAG 100)	
TE10-14 IVORY	10MM DOUBLE IVORY BOOTLACE FERRULE - (BAG 100)	
TE16-14 GREEN	16MM DOUBLE GREEN BOOTLACE FERRULE - (BAG 100)	



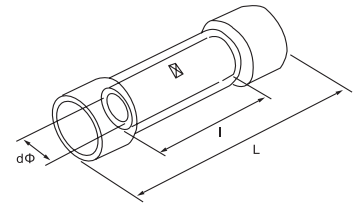
Model	Description	Price
IR1.5 3.2 VG	RED RING 3MM CRIMP LUG (BAG OF 100)	
IR1.5 4.3 VG	RED RING 4MM CRIMP LUG(BAG OF 100)	
IR1.5 5.3 VG	RED RING 5MM CRIMP LUG(BAG OF 100)	
IR1.5 6.5 VG	RED RING 6MM CRIMP LUG(BAG OF 100)	
IR1.5 8.5 VG	RED RING 8MM CRIMP LUG(BAG OF 100)	
IR1.5 10 VG	RED RING 10MM CRIMP LUG(BAG OF 100)	
IR2.5 3.2 VG	BLUE RING 3MM CR LUG(BAG OF 100)	
IR2.5 4.3 VG	BLUE RING 4MM CR LUG(BAG OF 100)	
IR2.5 5.3 VG	BLUE RING 5MM CR LUG(BAG OF 100)	
IR2.5 6.5 VG	BLUE RING 6MM CR LUG(BAG OF 100)	
IR2.5 8.5 VG	BLUE RING 8MM CR LUG(BAG OF 100)	
IR2.5 10 VG	BLUE RING 10MM CR LUG(BAG OF 100)	
IR2.5 12VG	BLUE RING 12MM CR LUG(BAG OF 100)	
IR6 4.3 VG	YELL RING 4MM CR LUG(BAG OF 100)	
IR6 5.3 VG	YELL RING 5MM CR LUG(BAG OF 100)	
IR6 6.5 VG	YELL RING 6MM CR LUG (BAG OF 100)	
IR6 8.5 VG	YELL RING 8MM CR LUG(BAG OF 100)	
IR6 10 VG	YELL RING 10MM CR LUG (BAG OF 100)	
IR6 12 VG	YELL RING 12MM CR LUG(BAG OF 100)	

Spade NYLON-Insulated Terminal (Copper Sleeve)

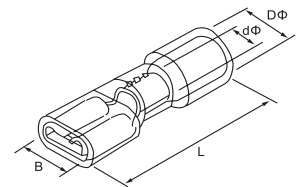
NSV
(Nylon)NC-SV
(Nylon+copper sleeve)

Model	Description	Price
IF1.5 3.2 VG	RED FORK 3MM CRIMP LUG(BAG OF 100)	
IF1.5 4.3 VG	RED FORK 4MM CRIMP LUG(BAG OF 100)	
IF1.5 5.3 VG	RED FORK 5MM CRIMP LUG(BAG OF 100)	
IF1.5 6.5 VG	RED FORK 6MM CRIMP LUG(BAG OF 100)	
IF2.5 3.2 VG	BLUE FORK 3MM CR LUG(BAG OF 100)	
IF2.5 4.3 VG	BLUE FORK 4MM CR LUG(BAG OF 100)	
IF2.5 5.3 VG	BLUE FORK 5MM CR LUG(BAG OF 100)	
IF2.5 6.5 VG	BLUE FORK 6MM CR LUG(BAG OF 100)	
IF6 4.3 VG	YELL FORK 4MM CR LUG(BAG OF 100)	
IF6 5.3 VG	YELL FORK 5MM CR LUG(BAG OF 100)	
IF6 6.5 VG	YELL FORK 6MM CR LUG(BAG OF 100)	
IP01.5 4.8TI	RED PUSH ON INSULATED 4.8MM (BAG OF 100)	
IP01.5 6.3TI VG	RED PUSH ON INSUL LUG 6.3MM (BAG OF 100)	
IP02.5 6.3TI VG	BLUE PUSH ON INSUL LUG 6.3MM (BAG OF 100)	
IP06 6.3TI VG	YELL PUSH ON INSUL LUG 6.3MM (BAG OF 100)	






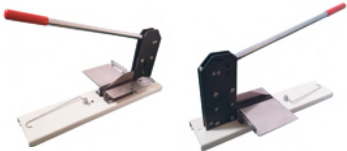


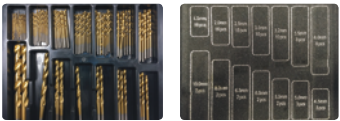
VINYL-Insulated Butt Splice Terminal (TL-JTK)



Model	Description	Price
IS1.5 1.5 VG	RED SPLICE CRIMP LUG(BAG OF 100)	
IS2.5 2.5 VG	BLUE SPLICE CRIMP LUG(BAG OF 100)	
IS6 6 VG	YELL SPLICE CRIMP LUG(BAG OF 100)	



Model	Description	Price
IPO1.5 4.8TI	RED PUSH ON INSULATED 4.8MM (BAG OF 100)	
IPO1.5 6.3TI VG	RED PUSH ON INSUL LUG 6.3MM (BAG OF 100)	
IPO2.5 6.3TI VG	BLUE PUSH ON INSUL LUG 6.3MM (BAG OF 100)	
IPO6 6.3TI VG	YELL PUSH ON INSUL LUG 6.3MM (BAG OF 100)	

Model		Description	Price
CAL-056GF		END FERRULE CRIMPER 0.5-16MM	
CAY-16WF		END FERRULE CRIMPER 6-16MM	
CAS-03D		CRIMPER FOR RED, BLUE AND YELLOW INSULATED CRIMPS	
CK-38A		CABLE CUTTER UP TO 38MM	
WSP-60		ETEK PANEL TRUNKING FINGER CUTTER	
LKWC-001		PANEL TRUNKING CUTTER MAX WIDTH 125MM	
2025		ETEK FULLY INSULATED SCREWDRIVER SET	
6077		ETEK ELECTRICIAN SCREWDRIVER KIT	
TF-099		HSS DRILL BIT SET WITH CASE	



Model	Description	Price
TF-186T	TOOL CASE COMPLETE WITH TOOLS	

Single Phase 230V AC 32A One Socket Outlet Type 2 socket



Model	Description	Price
TDT-A1-EV032 7.2KW	SINGLE PHASE 230V AC 32A ONE SOCKET OUTLET TYPE 2 SOCKET	