

ELECTRICAL COMPONENT CATALOGUE

FUSE | SWITCH | CIRCUIT BREAKER
INSTRUMENT | STARTER | CONTACTOR | RELAY
ELECTRICAL ACCESSORY

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Fuse Link

APPLICATION :

This series fuse is suitable for AC 50Hz, rated voltage to 1140V, rated current to 1250A. It is mainly used in the electric installation for protecting circuit from overload and short circuit (gG/GL); it also may derive for protecting the semiconductor device and others complete set installment from short-circuit (aR) as well as the electric motor from short-circuit (aM).

The rated breaking capability for this series fuse is to 120KA.

This series fuse conforms to national standard GB13539 and International electrical committee standard IEC60269.

No.	Fuse Model					Rated Voltage	Rated Current	Overall Dimension										Weight
	This Company		Similar Products at home and abroad					Size	Drawing Number	A	B	C	D	G	E	F	H	
	Common	Fast	Common	Fast														
0101	RT16-00	NGTC-00	NT00	NH00	RS31 3NE80	500/660	4~160	00	1.1	78	52	15	29				56	175
0102	RT16-0	NGTC-0	NT0	NH0	RS31B 3NE41	500/1140	4~160	0	1.1	125	68	15	29				56	252
0103	RT16-1	NGTC-1	NT1	RT20-1 3NA1	RS32 3NE12	500/660	63~250	1	1.2	135	72	20	48				61	455
0104	RT16-2	NGTC-2	NT2	RT20-2 3NA1	RS33 3NE13	500/660	80~400	2	1.2	150	72	26	58.5				71	580
0105	RT16-3	NGTC-3	NT3	RT20-3 RO34	RS34 3NE14	500/660	160~630	3	1.2	150	72	31	67				84	880
0106	RT17		NT4	RO39	Rs39	500/660	500~1250	4	1.3	200	90	50	97	8	150	16.5	113	2470

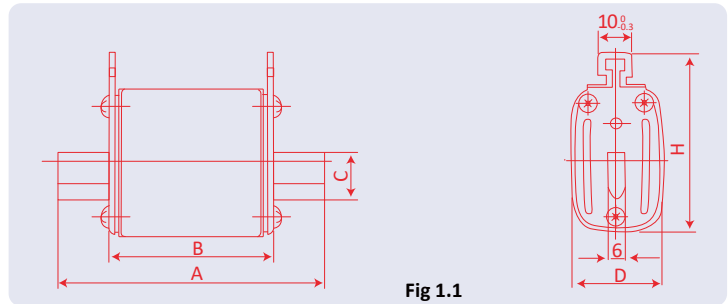


Fig 1.1

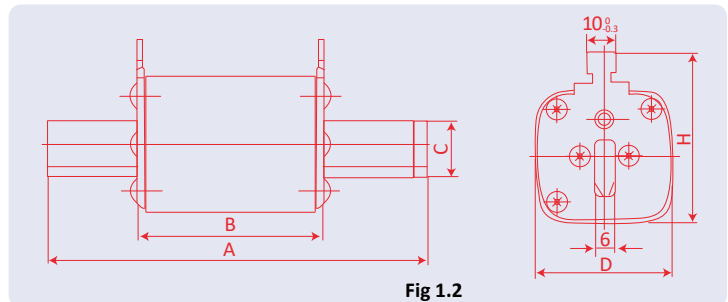


Fig 1.2

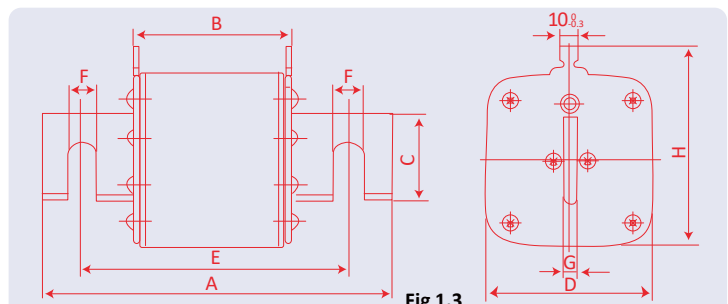
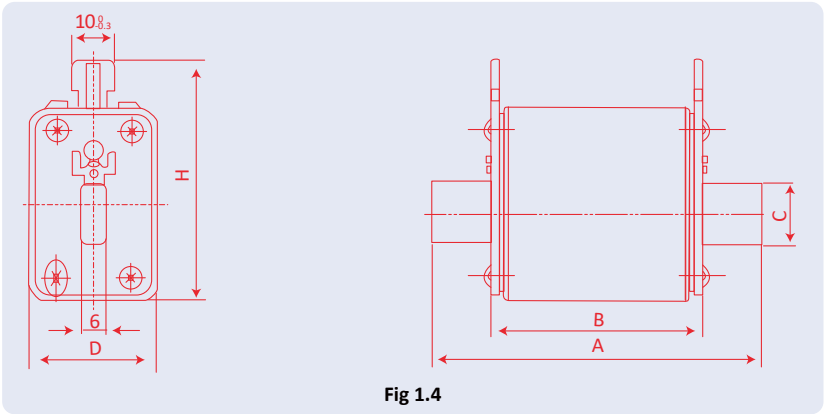


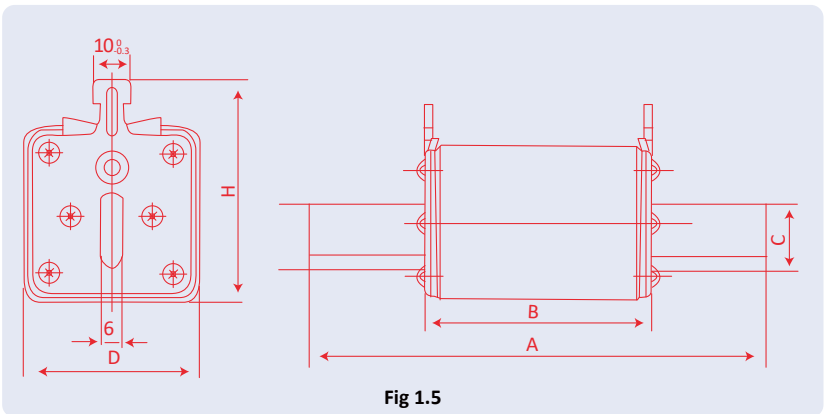
Fig 1.3

Fuse Link (Cont...)

No.	Fuse Model				Rated Voltage	Rated Current	Overall Dimension							Weight
	This Company		Similar Products at home and abroad				Size	Drawing Number	A	B	C	D	H	
	Common	Fast	Common	Fast										
0107	NH00C	RS31	-	-	500/660	10~160	00	1.4	78	50.5	15	30	60	201
0108	NH0	-	-	-	500/600	6~160	0	1.4	125	67	15	30	60	267

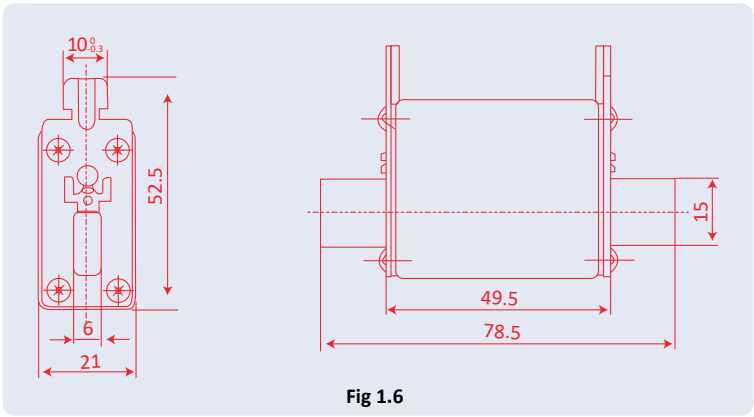


No.	Fuse Model				Rated Voltage	Rated Current	Overall Dimension							Weight
	This Company		Similar Products at home and abroad				Size	Drawing Number	A	B	C	D	H	
	Common	Fast	Common	Fast										
0109	NH1	RS32	-	RS32	500/660	32~250	1	1.5	135	67	20	46	58.5	447
0110	NH2	RS33	-	RS33	500/660	80~400	2	1.5	150	68	30	58.5	68.5	727
0111	NH3	RS34		RS34	500/660	160~630	3	1.5	150	68	36	70	82	975

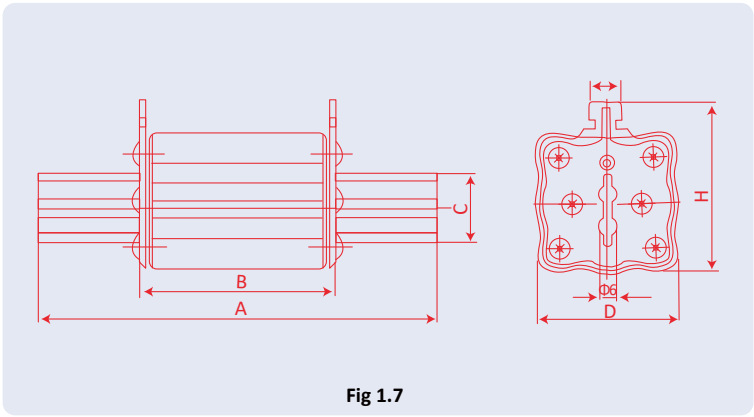


Fuse Link (Cont...)

No.	Fuse Model				Rated Voltage	Rated Current	Overall Dimension		Weight
	This Company		Similar Products at home and abroad				Size	Drawing Number	
	Common	Fast	Common	Fast					
0112	NH00C	-	-	-	500/660	4~100	000	1.6	138

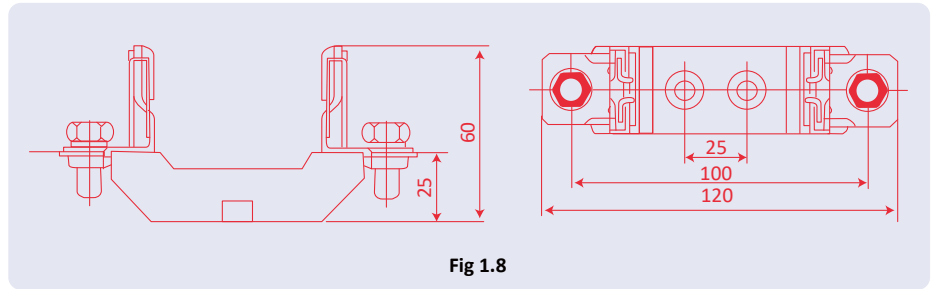


No.	Fuse Model				Rated Voltage	Rated Current	Overall Dimension							Weight
	This Company		Similar Products at home and abroad				Size	Drawing Number	A	B	C	D	H	
	Common	Fast	Common	Fast										
0113	RT0-50	-	-	-	380	10~50	-	1.7	103	66	10.3	25	52	189.5
0114	RT0-100	-	-	-	380	20~100	-	1.7	125	67	18	40	52	313
0115	RT0-200	-	-	-	380	50~200	-	1.7	135	67	23	46	58	404.5
0116	RT0-400	-	-	-	380	160~400	-	1.7	145	67	30	55	66	601
0117	RT0-600	-	-	-	380	250~600	-	1.7	165	67	36	66	77	855
0118	RT0-1000	-	-	-	380	500~1000	-	1.7	280	90	50	85	100	2050

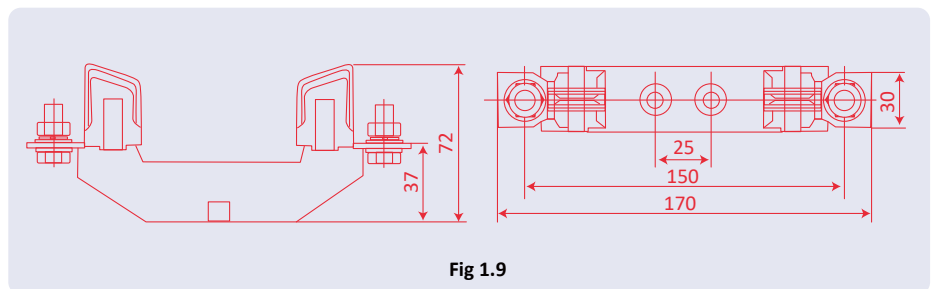


Fuse Base

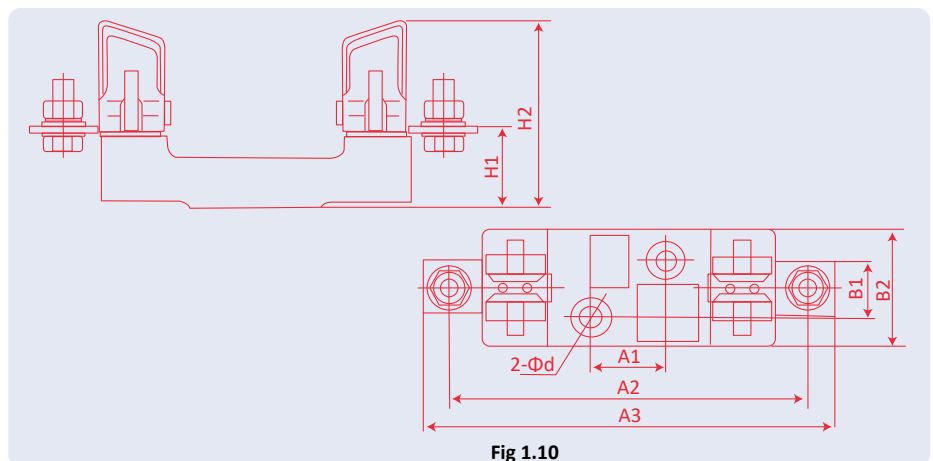
No.	Products Model	Matched with use Body Measurement	Rated Insulated Voltage	Convention Heating Current	Overall Dimension	Weight
0119	RT16-00	RT16-00 (NT00 NT00C)	660	160	Drawing Number 1.8	193



No.	Products Model	Matched with use Body Measurement	Rated Insulated Voltage	Convention Heating Current	Overall Dimension	Weight
0120	RT16-0	RT16-0 (NT0)	660	160	Drawing Number 1.9	295



No.	Products Model	Matched with use Body Measurement	Rated Insulated Voltage	Convention Heating Current	Overall Dimension									Weight
					Drawing Number	A1	A2	A3	B1	B2	H1	H2	φd	
0121	RT16-1	RT16- 1 (NT1)	660	250	1.10	25	175	200	30	58	38	84	10.5	550
0122	RT16-2	RT16-2 (NT2)	660	400	1.10	25	200	225	30	60	38	100	10.5	770
0123	RT16-3	RT16-3 (NT3)	660	630	1.10	25	210	250	30	60	40	105	10.5	965



Fuse Base (Cont...)

No.	Products Model	Matched with use Body Measurement	Rated Insulated Voltage	Convention Heating Current	Overall Dimension					Weight
					Drawing Number	A1	A2	B1	H1	
0124	RT0-100	RT0-100	380	100	1.11	180	160	55	73	570
0125	RT0-200	RT0-200	380	200	1.11	200	175	60	83	760
0126	RT0-400	RT0-400	380	400	1.11	220	190	70	95	1110

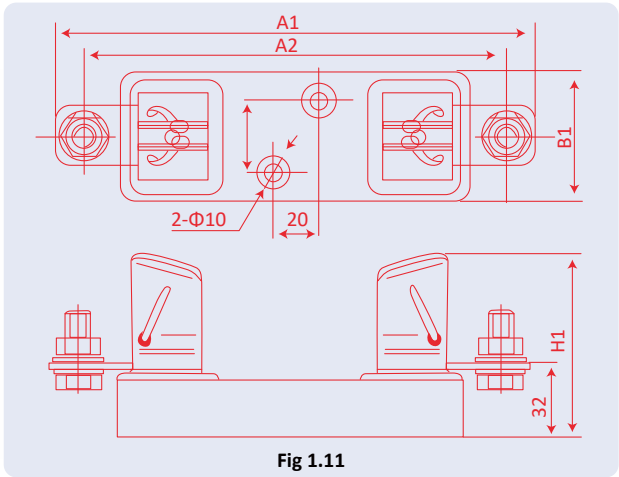
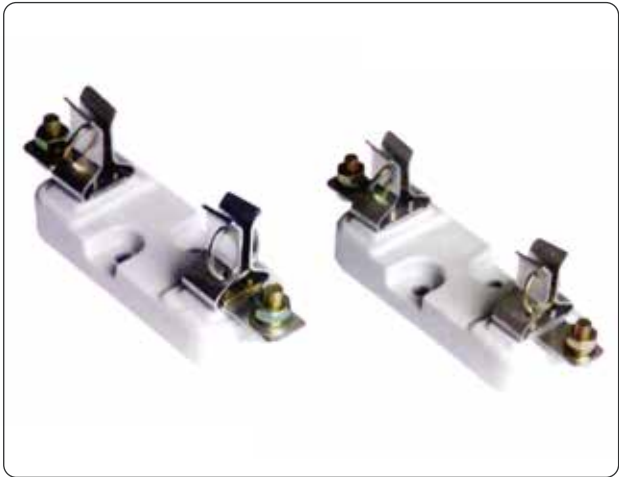


Fig 1.11

No.	Products Model	Matched with use Body Measurement	Rated Insulated Voltage	Convention Heating Current	Overall Dimension	Weight
					Drawing Number	
0127	RT0-50	RT0-50	380	50	Drawing Number 1.12	184
0128	RT0-600	RT0-600	380	600	Drawing Number 1.13	1900

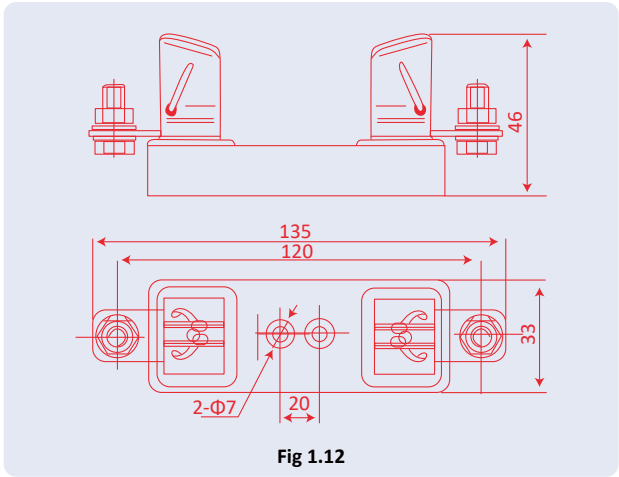


Fig 1.12

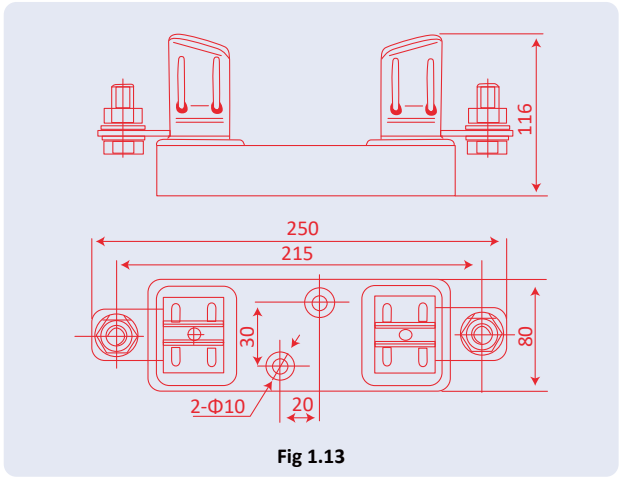
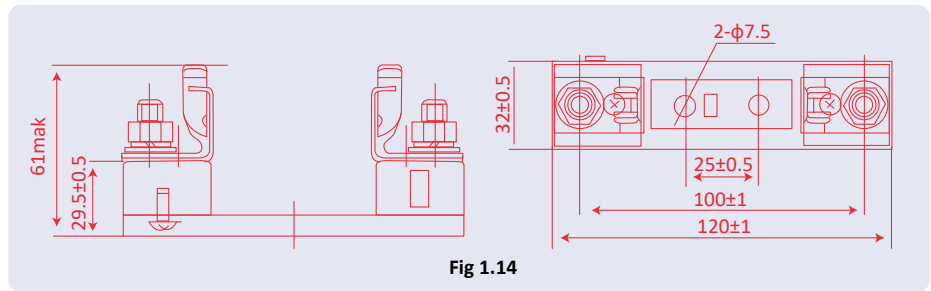


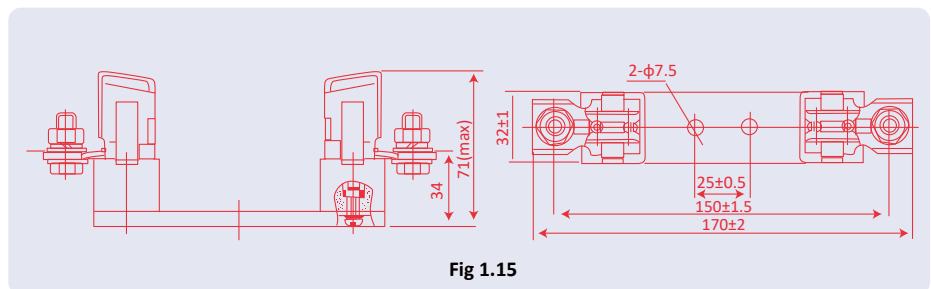
Fig 1.13

Fuse Base (Cont...)

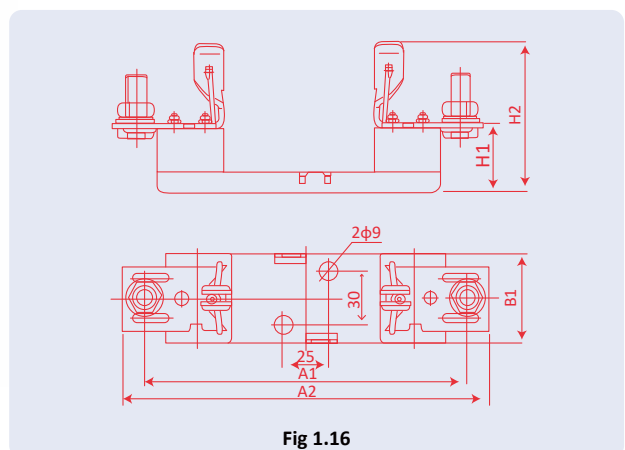
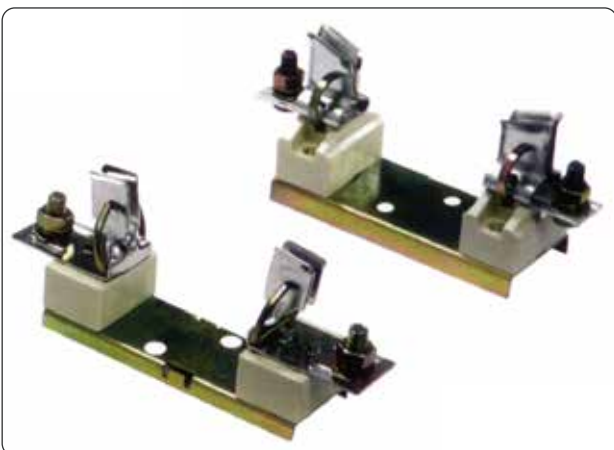
No.	Products Model	Matched with use Body Measurement	Rated Insulated Voltage	Convention Heating Current	Overall Dimension	Weight
0129	NH00	000 00	660	160	Drawing Number 1.14	240



No.	Products Model	Matched with use Body Measurement	Rated Insulated Voltage	Convention Heating Current	Overall Dimension	Weight
0130	NH0	0	660	160	Drawing Number 1.15	322



No.	Products Model	Matched with use Body Measurement	Rated Insulated Voltage	Convention Heating Current	Overall Dimension						Weight
					Drawing Number	A1	A2	B1	H1	H2	
0131	NH1	1	660	250	1.16	175	200	50	38	82	694
0132	NH2	2	660	400	1.16	200	230	64	54	104	1006
0133	NH3	3	660	630	1.16	210	250	64	54	120	1200



Fuse Link

APPLICATION :

This series fuse is suitable for AC 50Hz, rated voltage to 690V, rated current to 125A. It is mainly used for protecting the electrical circuit against overload and short - circuits(gG/gL); it also may derive for protecting the semiconductor device and others complete set installment from short Circuit (aR) as well as the electric motor from short-circuit (aM).

The rated breaking capability for this series fuse is to 100KA, IEC60269

This series fuse conforms to national standard GB 13539 and international electrical committee standard IEC60269.

No.	Fuse Model				Overall Dimension		Rated Voltage	Rated Current	Weight
	This Company		Similar Products at home and abroad						
	Common	Fast	Common	Fast	Drawing Number	φD x L			
0201	RO06	RS06	-	-	2.1	φ12.7x29	250/380	1~32	6.5
0202	RO07	RS07	-	-	2.1	φ30x57	600	10~100	7.5
0203	RO08	RS08	-	-	2.1	φ20.5x40	600	2~63	40
0204	RO09	RS09	-	-	2.1	φ18x37	500	2~63	17.4
0205	RO10	RS10	-	-	2.1	φ18x50	500	2~63	23.5
0206	RO11	RS11	AJTJKSLPJ	ACL	2.1	φ21x58	600	2~32	51.5
0207	RO12	RS12	AJTJKSLPJ	ACL	2.1	φ27x60	600	35~100	90
0208	RO13	RS13	-	-	2.1	φ15x50	500	2~40	23.2
0209	RO14	RS14	RT19-16gF1		2.1	φ8.5x31.5	500	0.5~20	4.4
0210	RO14A	RS14A	-	-	2.1	φ8.5x23	250	0.5~20	3.5
0211	RO14B	RS14B	-	-	2.1	φ8.5x36	380/500	0.5~20	5.0
0212	RO15	RS15	RT14-20gF2 RT18-32RT19-25	KTKKLM	2.1	φ10.3x38	380/500	0.5~32	7.7
0213	RO15A	RS15A	-	-	2.1	φ10.3x25.8	250	0.5~16	4.8
0214	RO15B	RS15B	-	-	2.1	φ10.3x31.5	250/500	0.5~25	5.8
0215	RO15C	RS15C	-	-	2.1	φ10.3x34	380/500	0.5~32	6.2
0216	RO15D	RS15D	-	-	2.1	φ10.3x57	600	2~32	11
0217	RO16	RS16	RT14-20gF3 RT18-63RT19-40	EWP	2.1	φ14.3x51	380/660	2~50	20.5
0218	RO16A	RS16A	-	-	2.1	φ14.3x38	500	2~50	15.6
0219	RO16B	RS16B	-	-	2.1	φ14.3x45	500	2~50	18.5
0220	RO16C	RS16C			2.1	φ14.3x67	500	2~50	27.5
0221	RO17	RS17	RT14-20gF4 RT18-125RT19-100	URE2263	2.1	φ22.2x58	380/660	10~125	58
0222	RO18	RS18	-	-	2.1	φ9.6x30	380	0.5~25	4.8
0223	RO19	RS19	FRSTRSLSR		2.1	φ20.5x127	600	0.5~32	91.2
0224	RO19A	RS19A	FLNRPC2		2.1	φ20.5x76	250/500	0.5~63	63
0225	RO19B	RS19B	-	-	2.1	φ20.5x114	600	0.5~32	85
0226	RO19C	RS19C	FRSTRSFLSR		2.1	φ27x139	600	32~63	172.4
0227	RO19D	RS19D	-	-	2.1	φ27x147	600	32~63	160
0228	RO54	RS54	-	-	2.1	φ5x20	250	0.5~16	1
0229	RO55	RS55	-	-	2.1	φ5x25	250	0.5~16	1.3
0230	RO56	RS56	-	-	2.1	φ6 x20	250	0.5~16	1.7
0231	RO57	RS57	-	-	2.1	φ6.3x25	250	0.5~16	2.1
0232	RO58	RS58	-	-	2.1	φ6.3x31.5	250/500	0.5~16	2.5

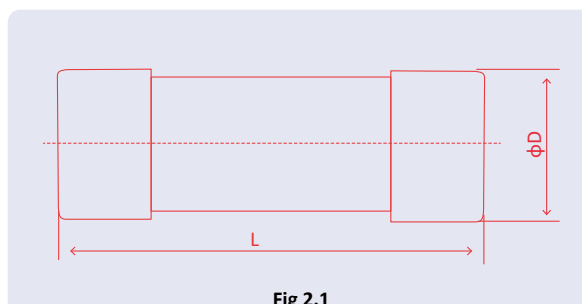
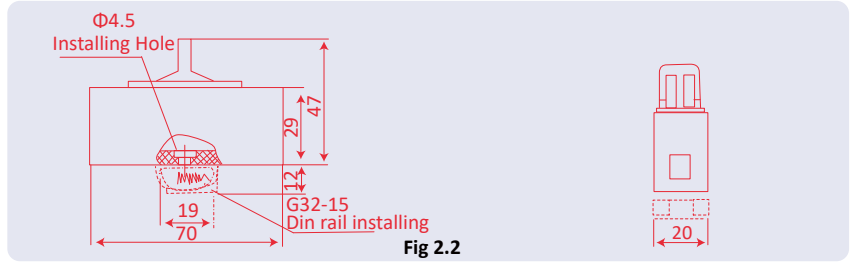


Fig 2.1

Fuse Base

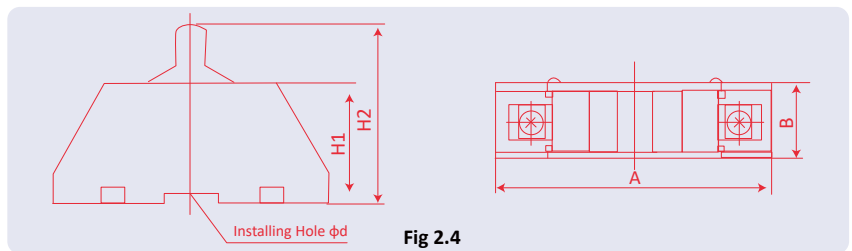
No.	Products Model	Matched with use Body Measurement	Rated Insulated Voltage	Convention Heating Current	Overall Dimension	Drawing Number	Weight
0233	RT14-20	10x38	500	20	Bolt Installment Hole $\phi 4.5$	2.2	38
0234	RT14G-20	10x38	500	20	G32-15 Guide Rail Installment	2.2	44



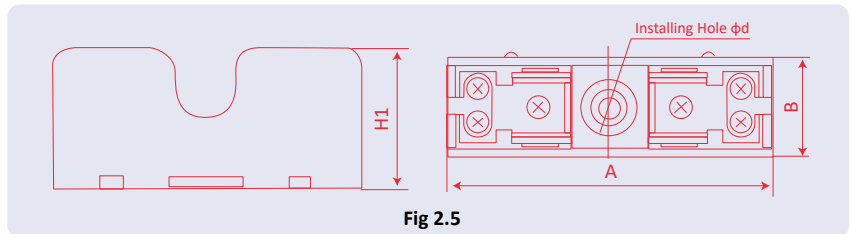
No.	Products Model	Matched with use Body Measurement	Rated Insulated Voltage	Convention Heating Current	Overall Dimension						Weight
					Drawing Number	A1	B	H1	H2	φd	
0235	RT14-32	14x51	500	32	2.3	105	26.5	57	135	5.5	148
0236	RT14-63	22x58	500	63	2.3	125	35	66	158	5.5	241



No.	Products Model	Matched with use Body Measurement	Rated Insulated Voltage	Convention Heating Current	Overall Dimension						Weight
					Drawing Number	A1	B	H1	H2	φd	
0237	RT19-16	8.5x31.5	500	16	2.4	69	18.5	28.5	41.5	5	34
0238	RT19-25	10x38	500	25	2.4	80	23	35	53	6.5	57

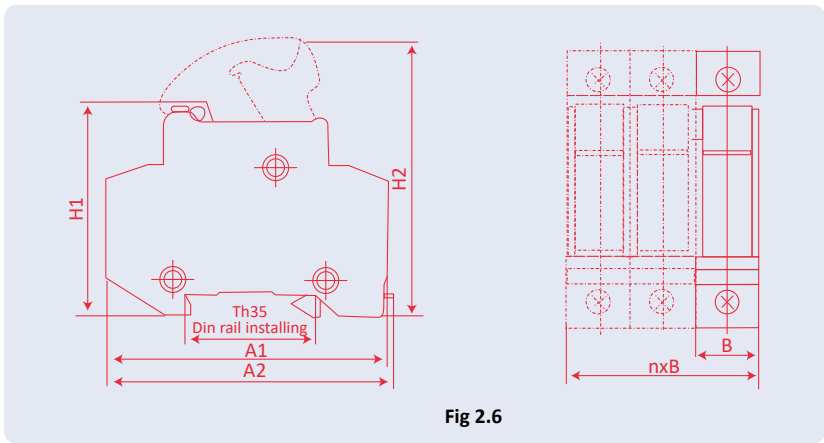


No.	Products Model	Matched with use Body Measurement	Rated Insulated Voltage	Convention Heating Current	Overall Dimension					Weight
					Drawing Number	A1	B	H1	ϕd	
0239	RT19-40	14x51	500	40	2.5	91	28.5	40	5.5	78
0240	RT19-100	22x58	500	100	2.5	108	36	50	6.5	157

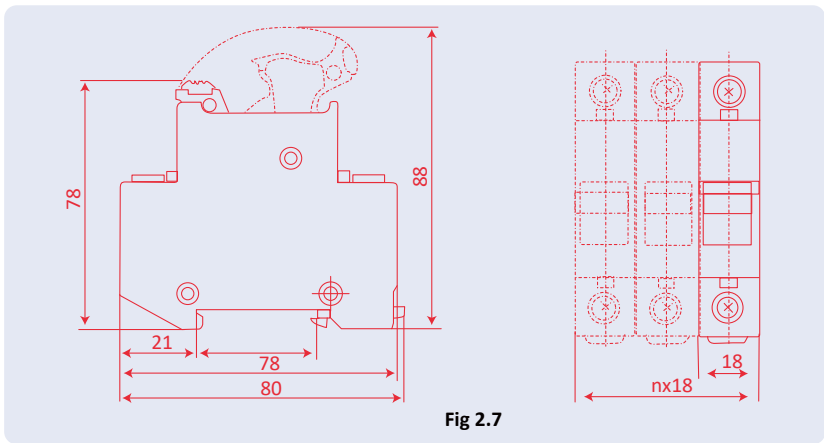


Fuse Base (Cont...)

No.	Products Model	Matched with use Body Measurement	Rated Insulated Voltage	Convention Heating Current	Overall Dimension						Weight
					Drawing Number	A1	A2	B	H1	H2	
0241	RT18-32	10x38	500	32	2.6	79	81	18	61	80	59
0242	RT18-32X	10x38	500	32	2.6	79	81	18	61	80	59
0243	RT18-63	14x51	500	63	2.6	103	105	27	80	110	192
0244	RT18-63X	14x51	500	63	2.6	103	105	27	80	110	192



No.	Products Model	Matched with use Body Measurement	Rated Insulated Voltage	Convention Heating Current	Overall Dimension	Weight
0245	HG30-32	10x38	500	32	Drawing Number 2.7	59



Fuse Link

APPLICATION :

This series fuse is suitable for AC 50Hz, rated voltage to 1140V, rated current to 630A. It is mainly used for protecting the electrical equipment against overload and short-circuits(gG/gI); it also may derive for protecting the semiconductor device and others complete set installment from short-circuit (aR) as well as the electric motor from short-circuit (aM).

The rated breaking capability for this series fuse is to 50KA.

This series fuse conforms to national standard GB13539 and international electrical committee standard IEC60269.

No.	Fuse Model				Size	Rated Voltage	Rated Current							Weight
	This Company		Similar Products at home and abroad					Drawing Number	φA	φC	φD	L		
	Common	Fast	Common	Fast										
0301	RO21	RS21	5SB E27 5SD RL6-25 RL93	5SD	D II	500	2~6	3.1	6	22	13	50	24.8	
							8~10	3.1	8	22	13	50		
							13	3.1	8	22	15	50		
							16	3.1	10	22	15	50		
							20	3.1	12	22	15	50		
							25	3.1	14	22	15	50		
0302	RO22	RS22	5SB E33 5SD RL6- 63 RL93	5SD	D III	500	30~40	3.1	16	27	20	50	48.1	
							50	3.1	18	27	20	50		
							63	3.1	20	27	20	50		
0303	RO23	RS23	-	-	D III	500	2~6	3.1	6	27	20	70	64	
							8~10	3.1	8	27	20	70		
							16	3.1	10	27	20	70		
							20	3.1	12	27	20	70		
							25	3.1	14	27	20	70		
							35	3.1	16	27	20	70		
							50	3.1	18	27	20	70		
							63	3.1	20	27	20	70		
0304	RO24	RS24	E16 5SA	-	-	500	2~6	3.1	6	12.5	11.3	50	11.7	
							10	3.1	8	12.5	11.3	50		
							16	3.1	10	12.5	11.3	50		
							20~25	3.1	12	12.5	11.3	50		
0305	RO27	RS27	BLA	BLC	-	600	3~10	3.1	8	12.5	11.5	50	13.1	
0306	RO28	RS28	BLA	BLC	-	600	15~20	3.1	10	12.5	11.5	50	14.5	
0307	RO29	RS29	BLA	BLC	-	600	25~40	3.1	14	12.5	11.5	50	16.4	

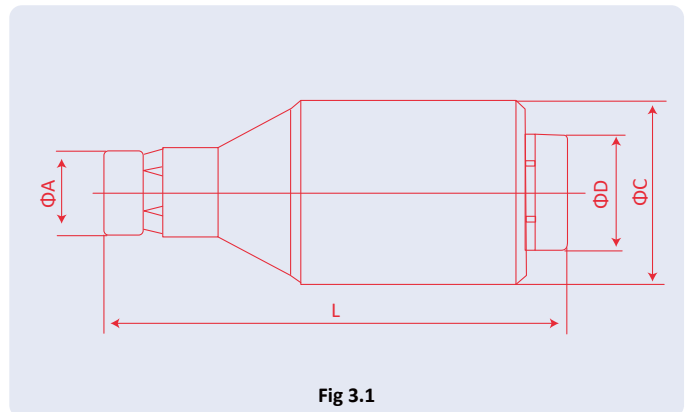


Fig 3.1

Fuse Link (Cont...)

No.	Fuse Model				Size	Rated Voltage	Rated Current	Overall Dimension						Weight		
	This Company		Similar Products at home and abroad					Drawing Number	φA	φB	φC	φD	L			
	Common	Fast	Common	Fast												
0308	RO26	RS26	E14 R18 5SE E18	-	D01	380	2~6	3.2	5	7.3	10.6	10	36	12.7		
							10	3.2	5	8.5	10.6	10	36			
							16	3.2	5	9.7	10.6	10	36			
					D02			20	3.2	8.5	11	15	14	36	13.8	
								25	3.2	8.5	12	15	14	36		
								35	3.2	8.5	13.3	15	14	36		
								50	3.2	8.5	14.5	15	14	36		
					D03			63	3.2	8.5	16	15	14	36	15.6	
								80	3.2	17	22	22	21	43		
								100	3.2	17	25	22	21	43		

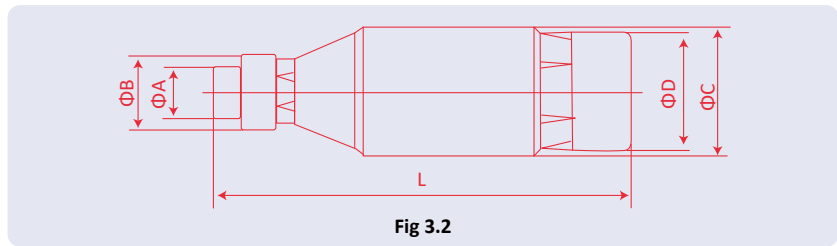


Fig 3.2

No.	Fuse Model				Size	Rated Voltage	Rated Current	Overall Dimension						Weight
	This Company		Similar Products at home and abroad					Drawing Number	φA	φB	φC	φD	L	
	Common	Fast	Common	Fast										
0309	RL1-15	RLS1-15			-	380	2~15	3.3	13	16.5	13	27.5	32	13
0310	RL1-60	RLS1-60			-	380	20~60	3.3	19	26.5	19		49	50.7
0311	RL5-25	RLS5-25			-	1140	2~25	3.3	11.5	12.5	12		75	21
0312	RL1- 100	RLS1-100			-	380	50~100	3.4	6.5	27.5	32.5		60	92.8
0313	RL1-200	RLS1-200	-		-	380	160~200	3.5						

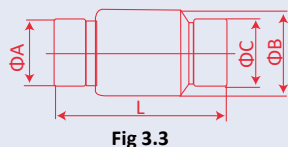


Fig 3.3

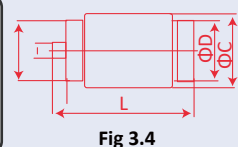


Fig 3.4

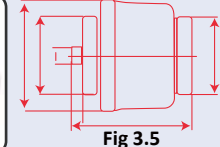


Fig 3.5

No.	Products Model	Matched with Fuse Bobby		Rated Insulated Voltage	Convention Heating Current	Overall Dimension										Weight
		Size	Model			Drawing Number	A1	A2	B1	B2	B3	H	φD	φd		
0314	RL1-15	-	RL1-15	380	15	3.6	24	35	28	41	64	60	33	5	116	
0315	RL1-60	-	RL1-60	380	60	3.6	34	55	41	55	78	70	48	6	243	
0316	RL1-100	-	RL1-400	380	100	3.6	45	83	53	83	120	100	70	8	798	
0317	RL1-200	-	RL1-200	380	200	3.6	63	87	64	87	152	110	85	10	1460	

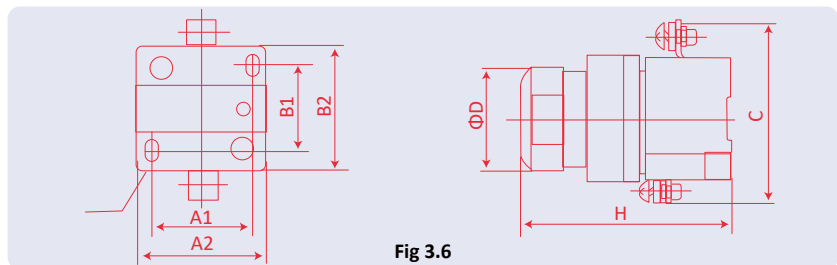


Fig 3.6

Fuse Base

No.	Products Model	Matched with Fuse Body		Rated Insulated Voltage	Convention Heating Current	Overall Dimension									Weight
		Size	Model			Drawing Number	A1	A2	B1	B2	H	B3	ϕD	ϕd	
0318	FB26-16	D01	RL8 (RO26)	500	16	3.7	-	18	-	55	59	55	17	-	83
0319	FB26-63	D02	RL8 (RO26)	500	63	3.7	20	27	54	77	72	77	26	5	86

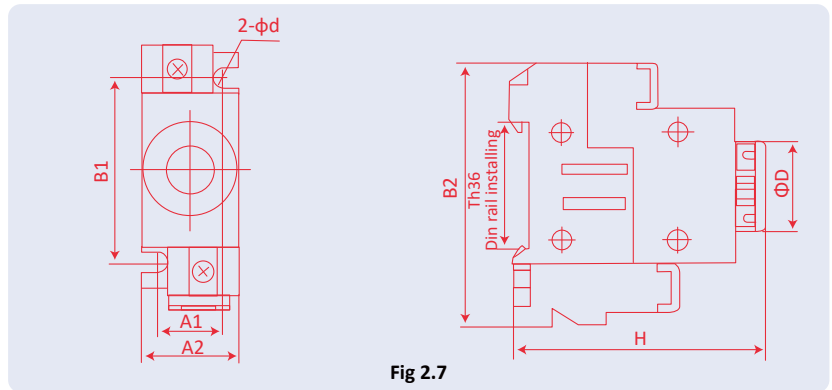


Fig 2.7

No.	Products Model	Matched with Fuse Body		Rated Insulated Voltage	Convention Heating Current	Overall Dimension	Weight
		Size	Model				
0320	FB26D-32	D02	RL8 (RO26)	500	32	Drawing Number 3.8	114
0321	FB26D-32-3J	D02	RL8 (RO26)	500	32		342
0322	FB26D-63	D02	RL8 (RO26)	500	63		114
0323	FB26D-63-3J	D02	RL8 (RO26)	500	63		342

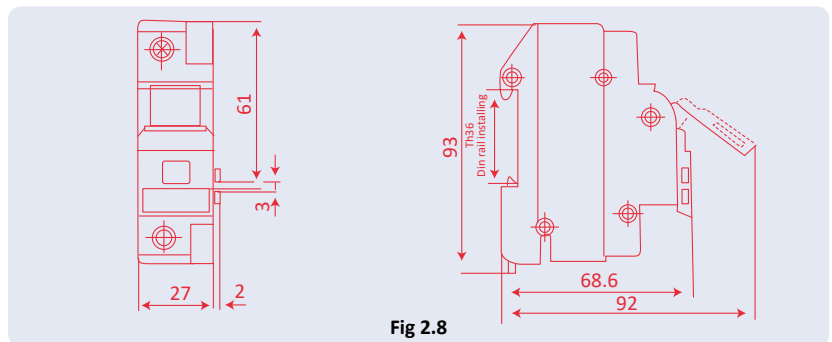


Fig 2.8

No.	Products Model	Matched with Fuse Body		Rated Insulated Voltage	Convention Heating Current	Overall Dimension	Weight
		Size	Model				
0324	RL5-16	-	RL5-16	660	16	Drawing Number 3.9	210
0325	RL5-25	-	RL5-25	1140	25	Drawing Number 3.9	260

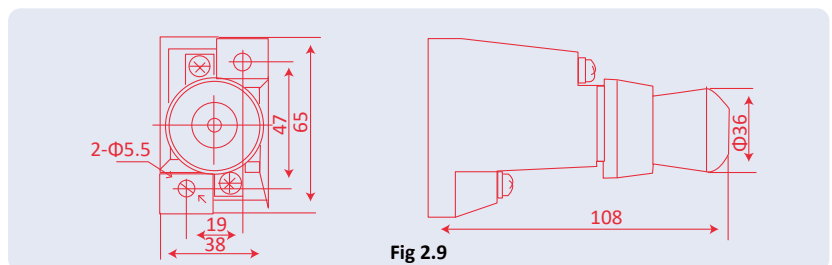


Fig 2.9

Fuse Link

APPLICATION :

This series fuse is suitable for AC 50Hz, rated voltage to 1140V, rated current to 630A. It is mainly used for protecting the electrical equipment against overload and short-circuits(gG/gL); It also may derive for protectmg the semiconductor device and others complete set installment from short-circuit (aR) as well as the electric motor from short-circuit (aM).

The rated breaking capability for this series fuse is to 50KA.

This series fuse conforms to national standard GB13539 and international electrical committee standard IEC60269.

No.	Fuse Model				Rated Voltage	Rated Current	Overall Dimension										Weight
	This Company		Similar Products at home and abroad				Drawing Number	A	B	C	φD	E	F	H	φd		
	Common	Fast	Common	Fast													
0401	RGOK	RGSOK	RGSOK	-	415	1~32	4.1	34	45	55	13.5	11	0.8	14.5	5	14.4	
0402	RG2	RGS2	TISRT12-63	-	500	40~100	4.1	56	75	88	25.5	13	1.2	27	6.5	73.8	

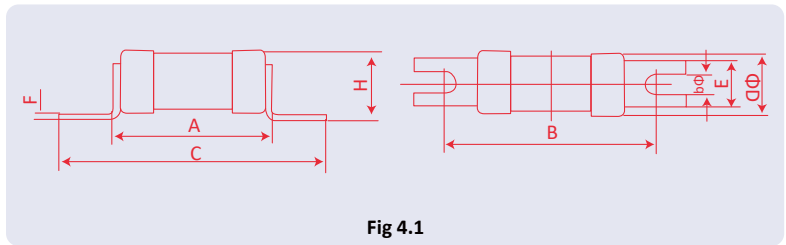


Fig 4.1

No.	Fuse Model				Rated Voltage	Rated Current	Overall Dimension										Weight
	This Company		Similar Products at home and abroad				Drawing Number	A	B	C	φD	E	F	H	φd		
	Common	Fast	Common	Fast													
0403	RG1	RGS1	TIA	-	500	4~35	4.2	54	73	85	22	9.5	1.5	25	5.5x7.5	55	
0404	RG3	RGS3	-	-	500	6~63	4.2	54	73	85	22	9.5	1.5	25	5.5x7.5	51.1	
0405	RG4	RGS4	-	GSG	660/1000	10~63	4.2	49.5	63	77	16.5	12.5	2.0	18	6.5x9	32	
0406	RG6	RGS6	-	GSA		500	80	4.2	68	93	112	31	19	2.0	33	9x 11.5	146
0407	RG7	-	TCP	-	500	100	4.2	68	95	114	34	19	2.0	35	9x11.5	228	
0408	RG7A	RGS7A	-	PC10D	500	110~150	4.2	57	99	119	38	24	3.0	40	5	178	
0409	RG11	RGS11	-	CR2L GSB	250/380	16~75	4.2	27.5	42	56	16.5	12.5	2.0	17.5	6.5x9	25	
0410	RG12	RGS12	-	CR2L GSB	250/500	75~175	4.2	31.5	58	80	26	19	3.0	27	9x11.5	79.5	
0411	RG14	RGS14	-	GSB	500	5~20	4.2	31	37	46	8.5	7	0.8	9.5	4.5x6	55	
0412	RG14B	RGS14B	-	GSB	500	5~20	4.2	54	64	73	8.5	7	0.8	9.5	4.5x 6	8.5	
0413	RG15	RGS15	-	CR2L GSB	250/500	200	4.2	34	60	88	30	25	3.0	36	11x13	120	
0414	RG17	RGS17	-	GSB	500	40~100	4.2	54	78	96	22.2	20.5	2	24	9x12	62.3	
0415	RG18	RGS18	-	CR6L	600	75~150	4.2	40	70	95	30	25	3.2	33	11x13	147	
0416	RG19	RGS19	-	CR6L	600	200~250	4.2	43	83	107	37	30	4.0	42	11x13	219	
0417	RG0H	-	AAO	-	500	2~32	4.2	34	72	84	13.5	9.4	1.2	15	5.5x7.5	18	
0418	RG4AD	RGS4AD	-	250GH	250	32~160	4.2	29	56	77	23.8	20	3	25.5	914	39	
0419	RG4A	RGS4A	-	660GH	660	125~200	4.2	50	77	98	23.8	20	3	25.5	914	53	
0420	RG4B	RGS4B	-	660GH	660	225~315	4.2	50.5	82	108	31	25	3	34	10.516	75	

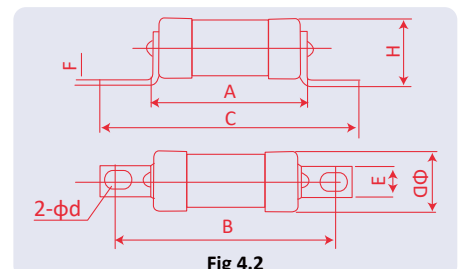
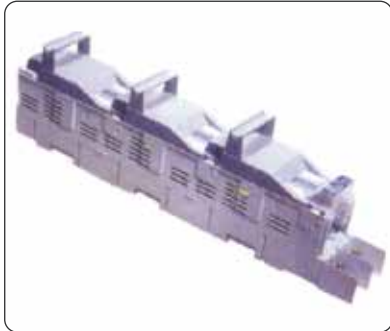


Fig 4.2

LYR2 Fuse Switch, HR17 Fuse Switch

LYR2 FUSE SWITCH :



SPECIFICATION :

Models	Rated Working Voltage (V)	Rated Working Current (A)	Application	Fuse Link Models	The Rated Breaking Capacity of the Fuse Links (KA)
LYR2-160	690	100	AC21B	NH000	50
	500	100	AC22B		100
	400	100	AC23B		100
	690	100	AC21B	NH00	50
	500	160	AC22B		100
	400	160	AC23B		100
LYR2-400	690	250	AC21B	NH1	50
	500	250	AC22B		100
	400	250	AC23B		100
	690	315	AC21B	NH2	50
	500	400	AC22B		100
	400	400	AC23B		100
LYR2-630	690	500	AC21B	NH3	50
	500	630	AC22B		100
	400	630	AC23B		100

Rated Working Voltage (V)	Rated Working Current (A)	Application	Rated open and breaking capacity					
			Connecting			Breaking		
			I/le	U/Ue	Cosφ	Ic/Ie	Ur/Ue	Cosφ
690	All current	AC21B	1.5	1.05	0.95	1.5	1.05	0.95
500	All current	AC22B	3	1.05	0.65	3	1.05	0.65
400	≤100	AC23B	10	1.05	0.45	8	1.05	0.45
	>100	AC23B	10	1.05	0.35	8	1.05	0.30

NOTE: I - Connecting Current
le - Rated Working Current
Ic - Breaking Current

U - Post Connecting Voltage
Ue - Rated Working Voltage
Ur - Recovery Current

HR17 FUSE SWITCH :



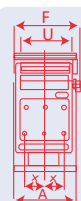
HR 17

SPECIFICATION :

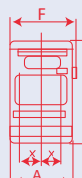
Switch Rating Heat Current (A)	Fuse Size	Rated Current (A)
160	00	4, 6, 10, 16, 20, 25, 32, 35, 40, 50, 63, 80, 100, 125, 160
250	1	80, 100, 125, 160, 200, 224, 250
400	2	125, 160, 200, 224, 250, 300, 315, 355, 400
630	3	315, 335, 400, 425, 500, 630

DIMENSION :

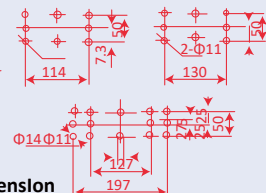
	A	B	C	D	E	F	G	H	K	L	M	O	P	Q
HR17-160	106	200	45	45	47.5	177	60	155	109	181	103	205	110	17
HR17-250	185	315	66	66		199	84	220	70	105	115	294	183	20
HR17-400	210	351	80	80		224	92	249	51.5	124	131	339	221	25
HR17-630	256	351	94.5	94.5		270	98.5	259	48	127.5	139.5	360	211	28



HR17 - 160 Installation Dimension



HR17 - 250,400, 630 Installation Dimension



Drop-out Fuse Cutout

DROP-OUT FUSE CUTOUT :



SPECIFICATION :

Type	Rated Voltage (kV)	Rated Current (A)	Breaking Current (kA)	Impulse Voltage BIL	Power Frequency withstand Voltage (kV)	Creepage Distance (mm)
HRW10-10F/100	12	100	6.3	70	42	230
HRW10-10F/200	12	200	12.5	70	42	230
HRW11-10/100	12	100	6.3	70	42	330
HRW11-10/200	12	200	12.5	70	42	330

Drop-out Fuse Cutout

DROP-OUT FUSE CUTOUT :

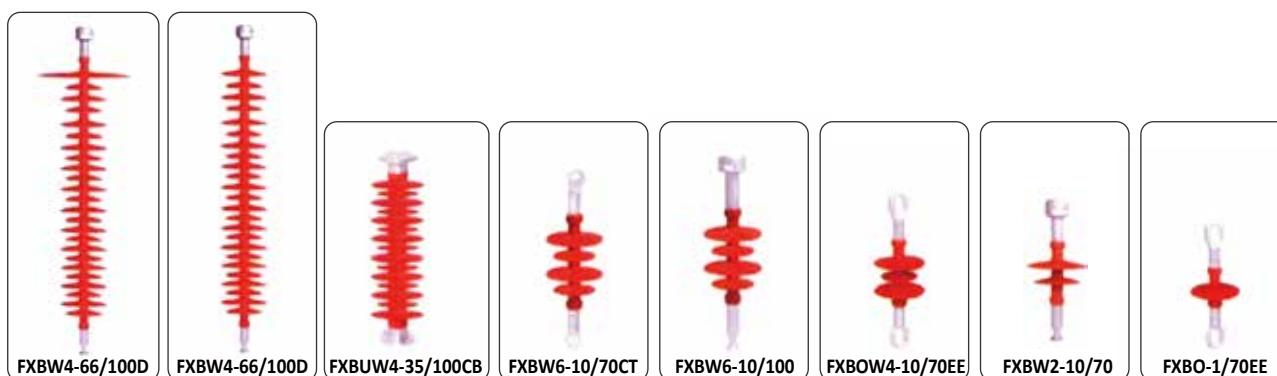


SPECIFICATION :

Type	Rated Voltage (kV)	Rated Current (A)	Breaking Current (kA)	Impulse Voltage BIL (kV)	Power-Frequency Withstand Voltage	Creepage Distance (mm)	Weight (kg)	Dimensions (CM)
GNF-1	15	100	10,000	110	40	250	7.5	40*34.5*11
GNF-1	15	200	12,000	110	40	250	7.5	40*34.5*11
GNF-2	15	100	10,000	110	40	250	7.3	38.5*34.5*10.5
GNF-2	15	200	12,000	110	40	250	7.3	38.5*34.5*10.5
GNF-3	15	100	10,000	110	40	250	7.3	38.5*34.5*10.5
GNF-3	15	200	12,000	110	40	250	7.3	38.5*34.5*10.5
GNF-4	15	100	10,000	125	45	350	8.5	48*34.5*10.5
GNF-4	15	200	12,000	125	45	350	8.5	48*34.5*10.5
GNF-5	15	100	10,000	125	45	350	8.8	51.5*34*12
GNF-5	15	200	12,000	125	45	350	8.8	51.5*34*12
GNF-6	15	100	10,000	125	45	350	8.5	45*34.5*10
GNF-6	15	200	12,000	125	45	350	8.5	45*34.5*10
GNF-7	15	100	10,000	125	45	350	12	50.8*36*1.3
GNF-7	15	200	12,000	125	45	350	12	50.8*36*1.3
GNF-8	15	100	10,000	125	45	350	8.5	48*35*10.5
GNF-8	15	200	12,000	125	45	350	8.5	48*35*10.5

Compound Suspension Rod Insulator

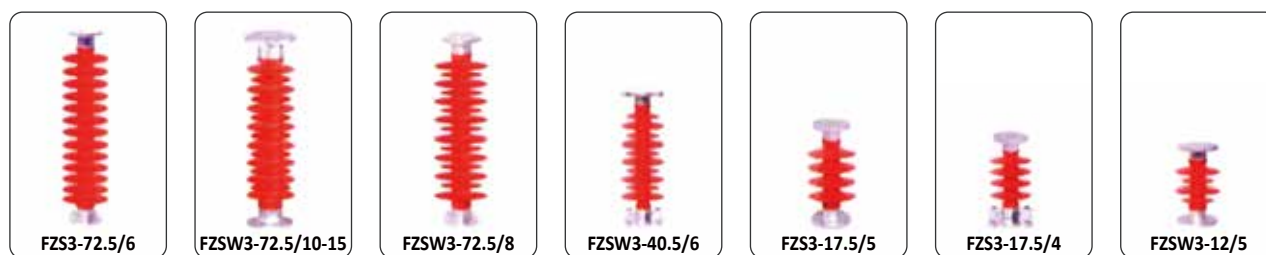
COMPOUND SUSPENSION ROD INSULATORS :



SIZES AND TECHNICAL DATA OF SUSPENSION INSULATORS :

No.	Type	Rated Voltage (kV)	Rated Mechanical Tensile Load (kN)	Structure of Connected Marks	Height (mm)	Electric arc Distance (mm)	Min nominal creepage distance (mm)	Full Wave Lightning Impulse withstand Voltage (peak value) not less than kV	Imin Power Frequency wet withstand Voltage not less than kV	NOS of Voltage Divider Ring
1	FXBW6-10/70	10	70	16	380±15	190	480	115	45	N/A
2	FXBW4-35/70	35	70	16	650±15	470	1280	230	95	N/A
3	FXBW4-35/100	35	100	16	670±15	450	1260	230	95	N/A
4	FXBW4-66/70	66	70	16	940±15	700	1900	410	185	N/A
5	FXBW4-66/100	66	100	16	940±15	685	1870	410	185	N/A
6	FXBW4-110/70	110	70	16	1240±15	1035	3180	550	230	Negotiate
7	FXBW4-110/100	110	100	16	1240±15	1015	3150	550	230	Negotiate
8	FXBW4-220/100	220	100	16	2240±30	1950	6300	1000	395	Negotiate
9	FXBW4-220/160	220	160	20	2240±30	1950	6300	1000	395	Negotiate
10	FXBW4-330/100	330	100	16	2930±40	2550	9075	1425	570	Negotiate
11	FXBW4-330/160	330	160	20	2990±40	2600	9075	1425	570	Negotiate
12	FXBW4-500/160	500	160	20	4450±50	4000	13750	2250	740	Negotiate

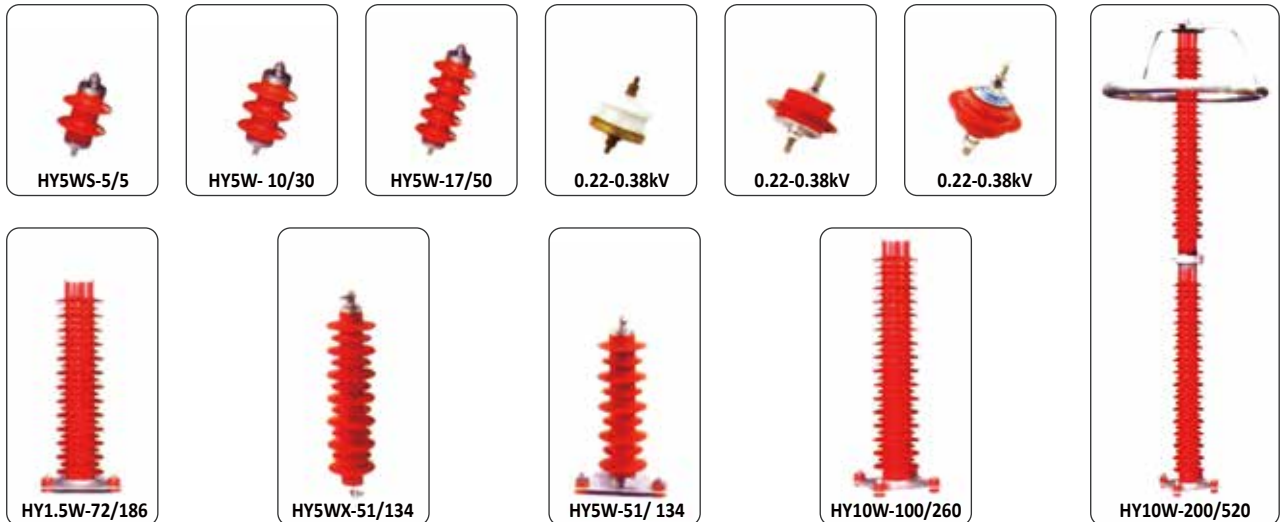
COMPOUND ROD POST INSULATORS :



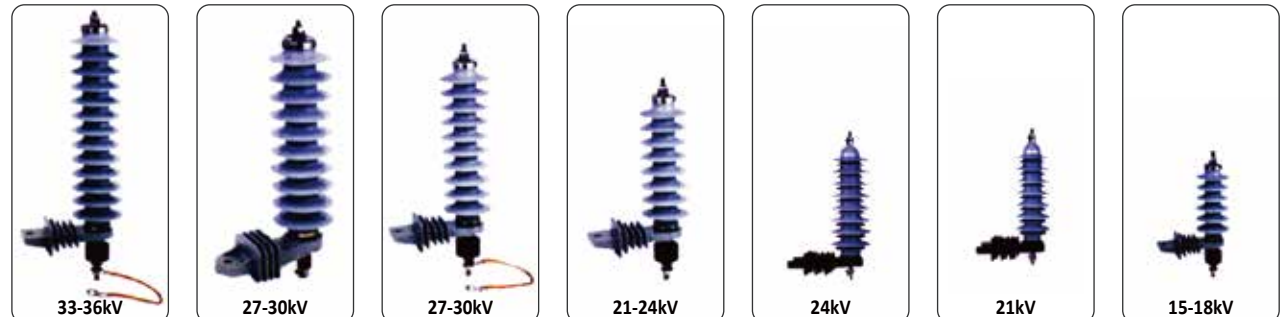
No.	Type	Height (mm)	Electric arc Distance (mm)	Min nominal Creepage Distance (mm)	Rated Mechanical Damage Load		Power Frequency Withstand Voltage		Full Wave lightning Impulse Withstand Voltage (peak value)kV	Highest Operating Voltage of Equipment (kV)
					kN Bent (kN)	Distortion (kN)	Imin Wet (kV)	Imin Dry (kV)		
1	FZS ₃ -12/2.5	215	129	300	5	0.6	30	42	75	12
2	FZS ₃ -40.5/6	445	345	1015	6	1.5	80	100	185	40.5
3	FZS ₃ -72.5/8	770	635	1830	6	2.0	140	165	325	72.5
4	FZS ₃ -126/10	1220	1060	3180	10	4.0	185	265	450	126

The Export Type Lightning Arresters

THE COMPOUND COAT OF ZINC AVOIDS THE THUNDER AND LIGHTNING :



THE EXPORT TYPE LIGHTNING ARRESTERS :



SPECIFICATION :

Ref. Model		YH5W-3	YH5W-6	YH5W-9	YH5W-20	YH5W-30	YH10W-3	YH10W-6	YH10W-9	YH10W-20
System Nominal Voltage/highest (kV rms)		3.3/3.6	6.6/7.25	11/12	22/24.2	33/36	3.3/3.6	6.6/7.25	11/12	22/24
Rated Voltage of Arrester (kV)		3	6	9	20	30	3	6	9	20
Maxi Continuous Operating Voltage (kv)		2.55	5.1	7.65	19.5	24.4	2.55	5.1	7.65	17
DC Reference Volmge ≥kV		5	8	18	35	65	3	8	18	35
Max discharge residual Voltage (kV Crest)	Under Operating Impulse Current	7.7	15.4	23.1	53.9	76.5	7.7	15.4	≤29	53.9
	Undet 8/20 μs Lighming Impulse Current	9	18	27	63	90	9	18	30.5	63
	Under Steep Impulse Current	9.5	19	28.5	66.5	95	9.5	19	≤32	66.5
2ms Recaangular Impulse withstand Current		100							100	
4/10 μs High Impulse withstand Current (kA)		65							65	
Minimum Power Frequency withstand Voltage (kV Crest)	Wet	20	30	≤50	60	80	20	≤50	30	60
	Dry	24	35	≤70	80	90	24	35	≤70	80
Impulse withstand Voltage (kV, Crest)		48	70	90	125	170	48	70	95	125
Pressure Relief class (kA, Crest)	High current for 0.2s	16					16			
	Low Current for 0.5s	180					0.8			
			250	390	550	900	180	250	390	550

QS5 Cam Switch, LYN Cam Switch

APPLICATION :

QS5 cam switch is mainly used to start forward or backward and stop directly three-phase asynchronous electric motor with AC 50Hz, voltage up to 500V and capacity up to 7.5KW. It can be used for changeover from one kind of circuit to the other.

QS5 CAM SWITCH :



SPECIFICATION :

Model	Mark	Rated Current (A)	Motor Control Capacity (HP)	Electrical Life (times)	Mechanical Life (per hr)	Frequency of Operation (per hr)	Applications	Position of Lever
QS5-15A	I-O	15	5.5	100000	250000	200	ON-OFF Switching	0-60
QS5-30A		30	10					
QS5-15N	I-O-I	15	5.5				Forward & Reverse	60-0-60
QS5-30N		30	10					
QS5-15P/3	I-O-II	15	5.5				for 3 Pole Two Circuits	0-60
QS5-30P/3		30	10					
QS5-63A	I-O	63	22	80000	200000	180	ON-OFF Switching	0-60
QS5-100A		100	30					
QS5-63N	I-O-I	63	22				Forward & Reverse	60-0-60
QS5-100N		100	30					
QS5-63P/4	I-O-II	63	22				for 3 Pole Two Circuits	60-0-60
QS5-100P/4		100	30					

APPLICATION :

LYN Cam switch is used to start, stop, forward or backward directly three-phase asynchronous electric motor with AC 50Hz, voltage 230-690V, AC current up to 100A. It can also be used for changeover from one kind of circuit to the other.

LYN CAM SWITCH :



Model	Heated Current (Ith)A	Rated Insulated Voltage (Ue)V			Rated Voltage (V)	Rated Current (A) AC-21	Rated Current (A) AC-23		Rated Controlled Power (Kw)
LYN-16	16	690	230	400	690	16	8	5	3
LYN-25	25	690	230	400	690	25	12	7	5.5
LYN-32	32	690	230	400	690	32	16	9	7.5
LYN-40	40	690	230	400	690	40	22	12	11
LYN-63	63	690	230	400	690	63	40	22	18.5
LYN-100	100	690	230	400	690	100	62	32	30

Pushbutton Switch



LAY4-BC21
(XB4-BC21)



LAY4-BC52
(XB4-BS52)



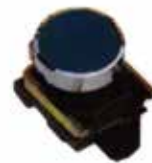
LAY4-BL42
(XB4-BL42)



LAY4-BJ21
(XB4-BJ21)



LAY4-BD33
(XB4-BD33)



LAY4-BA31
(XB4-BA31)



LAY4-BW34G4
(XB4-BW34G4)



LAY4-BK124B5
(XB4-BK124B5)



LAY4-BG21
(XB4-BG21)



LAY4-BV63
(XB4-BV63)



XB5-AA21



XB5-AC21



XB5-AS542



XB5-AD21



XB5-AJ21



XB5-AG21



XB5-AT21



XB5-AL31



XB5-AW3□B5



XB5-AW3365



XB5-AL8325



XB5-AW8365



XB5-AP31



XB5-AV63



ZBE-101



LY42-DZ
(TA42-DZ)



LY42-DP
(TA42-DP)



LY42-HP
(TA42-HP)



LY42-X
(TA42-X)



LY42-HD
(TA42-HD)



LY42-P
(TA42-P)



LY42-DJY



PB2201M



PB2211MH



PB2211D



PB2211X/3



PB2210



PB2210XB/2



PB2201MZ



PB2201M



PB2211D



PB2201

Pushbutton Switch and Indicator



ENA-22&25



AL-22&25TE



ALT- 22&25



ALT-22&25



ABF-22&25
ABFL-22&25



ALT-22&25TE



ABLFP-22&25
ABFLPL-22&25



ABLF-22&25
ABFL-22&25



ABLFC-22&25
ABLFCL-22&25



ABLFST -22&25



AC-22&25-2P-3P



ACT-22&25-2P-3P



ALC-22&25-2P-3P



PKS-30-2P-3P



AEA-22&25
AEAL-22&25



AELA-22&25
AELAL- 22&25



AE-22&25



AE-22&25-2P-3P



Y090-11BN/G
(ABW111)



Y090- 11X2P-3P
(ASW211)



Y090-11BN/R
(ABW111)



Y090-11Y/2
(AKW211)



Y090-20X/3P
(ASW33-243)



Y090-11ZS
(AOW4)



Y090-11BH/R
(YBSW111)



APBB



LY-ON



LY-OFF



LY-X/3



LY-STOP/Z



LY-1

Pushbutton Switch and Indicator (Cont...)



AD22-22AF/40



AD22-25AF/40



AD22-22AF/41



AD22-25AF/41



AD22-22A/40



AD22-22A/41



AD22-25A/40



AD22-25A/41



AD22-22B



AD22-22D



AD22-22H



EV43
SB7-EV44
EV45



ENA-22/R.G.Y



AD22-22E



AD22-16A



AD22-16B



AD22-16AS



AD22-22DS



AD22-10DS/G



AD22-10DS/Y



AD22-10DS/R



AD22-12DS/G



AD22-12DS/Y



AD22-12DS/R



AD22-16DS/G



LY16-22AD



LY16-22A



LY16-11AD



LY16-11A



LY16-22M



LY16-11M



LY16-22ZS



LY16-11ZS



LY16-11F



LY16-22FD



LY16-11FD



LY16-22F



LY16-22CF



LY16-22CFD



LY16-11CFD



LY16-11CF



AD22-16FS/G



AD22-16FS/Y



AD22-16FS/G



LY16-11XY
2P/3P



LY16-22XF
2P/3P



LY16-22CF
2P/3P



LY16-11Y
2P/3P



LY16-11YF
2P/3P



LY16-11YCF
2P/3P

Control Station

CONTROL STATION :



START - STOP FUNCTIONS (LIGHT GREY LID WITH DARK GREY BASE) :

Description	Scheme	Marking on legend	Marking on button	Reference	Weight kg
1 green flush pushbutton spring return	N/O + N/C	Start	I	LAY5-B101H29	0.120
		-	-	LAYS-B102	0.120
		-	Start	LAYS-B103	0.120
1 red flush pushbutton spring return	N/O	Stop		LAY5-B111H29	0.120
		-	Stop	LAY5-B114	0.120
		-	O	LAY5-B112	0.120
1 red mushroom head pushbutton, 40mm spring return	N/C	Emergency Stop	-	LAY5-B164H29	0.120
1 red flush pushbutton spring return	N/O	-	Stop	LAY5-B116	0.120

EMERGENCY STOP FUNCTIONS (YELLOW LID WITH DARK GREY BASE) :

Description	Scheme	Marking on legend	Marking on button	Reference	Weight kg
1 red mushroom head pushbutton, 40mm latching Turn to release	N/C	Unmarked		LAY5-J174	0.14
1 red mushroom head pushbutton, 40mm latching Key release (key n° 445)	N/C	Unmarked		LAY5-J184	0.17

EMERGENCY STOP FUNCTIONS (YELLOW LID WITH DARK GREY BASE) :

Description	Scheme	Marking on legend	Marking on button	Reference	Weight kg
1 red mushroom head pushbutton, 40mm latching Turn to release		Unmarked		LAY5-J178	0.14
1 red mushroom head pushbutton, 40mm latching Key release (key n° 445)		Unmarked		LAY5-J188	0.17

Other versions

Use adaptable sub-assemblies:
empty enclosures, contact blocks, signalling units, operators, legend plates (see pages 5/28 to 5/31).

Control Station (Cont...)

CONTROL STATION :



LAY5-B211H29 (XAL-B211H29)



LAY5-B213 (XAL-B213)



LAY5-B132H29 (XAL-B132H29)



LAY5-B142H29 (XAL-B 142H29)



LAY5-B361H29 (XAL-B361H29)



LAY5-B373 (XAL-B373)

START-STOP FUNCTIONS (LIGHT GREY LID WITH DARK GREY BASE) :

Description	Scheme	Marking on legend	Marking on button	Reference	Weight kg
2 spring return pushbutton 1 flush green 1 flush red	N/O	Start Stop	=	LAY5-B 211H29	0.165
	+ N/C	=	I O	LAY5-B213	0.165
		=	Start Stop	LAY5-B215	0.165
1 selector switch 2 position stay put standard black handle	N/O	Start Stop	=	LAY5-B132H29	0.125
		I O	=	LAY5-B314	0.125
1 selector switch key operated (key n° 445) 2 position stay put key withdrawal from LH position	N/C	Start Stop	=	LAY5-B164H29	0.150
		I O	=	LAY5-B144	0.150

START-STOP FUNCTIONS(LIGHT GREY LID WITH DARK GREY BASE) :

Description	Scheme	Marking on legend	Marking on button	Reference	Weight kg
1 red pilot light Direct supply ≤130V Bulb not included(1)	N/O	Start Stop	=	LAY5-B361H29	0.200
+ 2 spring return pushbuttons 1 flush green 1 flush red	+ N/C	=	I O	LAY5-B363	0.200
		=	Start Stop	LAY5-B366	0.200
1 red pilot light 230V Supply direct through resistor Bulb with BA 9s base fitting- 130V (included)	N/O	Start Stop	=	LAY5-B371H29	0.205
+ 2 spring return pushbuttons 1 flush green 1 flush red	+ N/C	=	I O	LAY5-B373	0.205
		=	Start Stop	LAY5-B376	0.205

- Bulb types for use with direct supply:
 - incandescent bulb, BA 9s base fitting: U≤130V, maximum power 2.6W, maximum length: 28mm,
 - neon bulb, BA 9s base fitting: 110V≤U≤380V
 Please consult our local representatives or agents.

Other versions Use adaptable sub-assemblies:
empty enclosures, contact blocks, signalling units operators, legend plates
(see pages 5/28 to 5/31).

Pushbutton Switch, Monolever Switch, Knife Switch



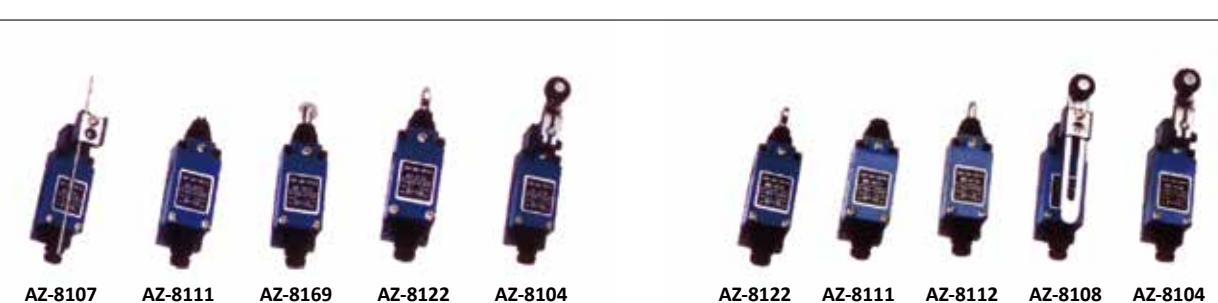
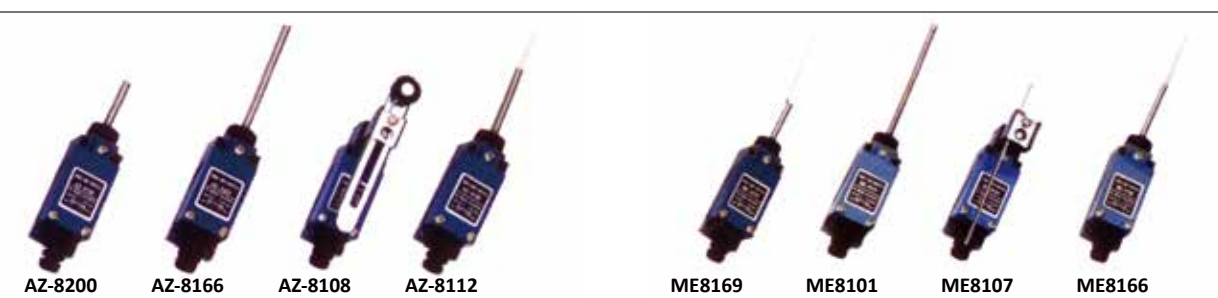
MONOLEVER SWITCH :



KNIFE SWITCH :



Limiting Switch



Pedal switch



FS- $\frac{1}{2}$



FS-1



FS-1E



FS-2



FS-3



FS-3S



FS-6



FS-7



FS-9



FS-10



FS-11



FS-202



8013



8014



8016



8017



8018



VFS-201



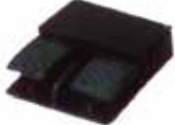
KW-5A-B



KH8012



YDT1-101



YDT1-14-2



L12



MDLT3



MD-10



MD-10S



MD-13HYDT1-11



MD13HS



MD-13HT



MD-18



MD-17



MD-68H



MDLTH (MD-14H)



MD-88H



MDLT4-2F

Micro Switch

APPLICATION :

General purpose micro switches may be used in AC control circuits of 50 or 60Hz, with a voltage up to 380V and rated control capacity of 100VA or in DC control circuits with a voltage up to 220V and a rated control capacity of 10W.



Z-15GD-B



Z-15GQ21-B



Z-15GW2-B



Z-15G-B



Z-15GW21-B



Z-15HW24-B



Z-15GQ-B



Z-15GW-B



Z-15GW22-B



Z-15GQ21-B



AZ-7100



AZ-7110



AZ-7144



AZ-7124



AZ-7121



AZ-7141



AZ-7166



AZ-7310



AZ-7311



AZ-7312



LXW5-11Q2



LXW5-11M



LXW5-11Q1



LXW5-11G2



LXW5-11N1



LXW5-11Z



LXW5-11N2



LXW5-11D



LXW5-11G1



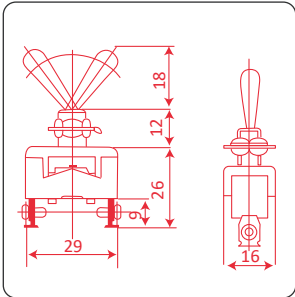
LXW5-11G3

Toggle Switch, Close Switch and Photoelectric Switch

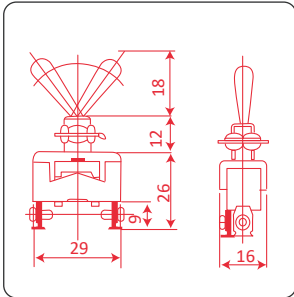
TOGGLE SWITCH :



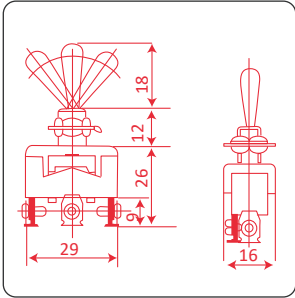
DIMENSIONS
ON-OFF AC250V 10A :



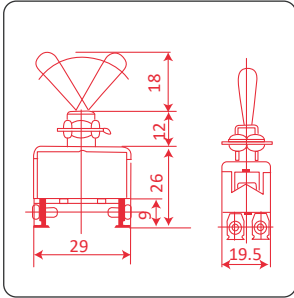
DIMENSIONS
ON-OFF AC250V 10A :



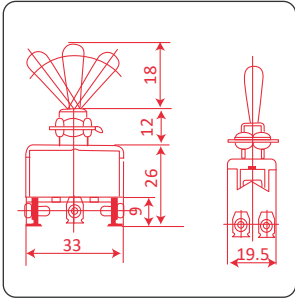
ON-OFF-ON AC250V 10A :



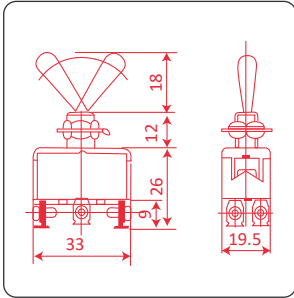
ON-OFF AC250V 10A :



ON- OFF-ON AC250V 10A :



ON-ON AC250V 10A :

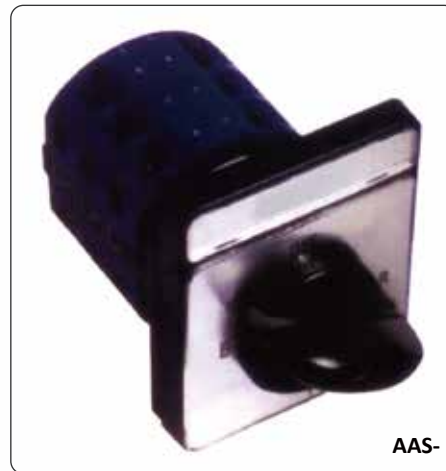


CLOSE SWITCH AND PHOTOELECTRIC SWITCH :



Changeover Switch, Voltmeter Switchs, Ammeter Switchs

CHANGEOVER SWITCH :



VOLTMETER SWITCHS :

Model	Function	Stages	Name Plate	Connection Diagram	IN/OUT PUT
AVS33 3phase	3wire	2	Voltmeter RS ST TR OFF ○		4 R 5 S 7 T(B) V1 V2
AVS34 3phase	4wire	3	Voltmeter OFF RW RN WB ○ WN BR BN Voltmeter OFF RS RW ST ○ SW TR TW Voltmeter OFF RY RN YB ○ YN BR BN Voltmeter OFF RS RN ST ○ SN TR TN		4 R 5 S 7 T(B) V1 V2 (W)Y(S) (W)N R

AMMETER SWITCHS :

Model	Function	Stages	Name Plate	Connection Diagram	IN/OUT PUT
AAS-33 3phase 2current Transformer	3wire	2	Ammeter S R T OFF ○		4 R 5 A1 7 T(B) 8 A2
AAS-34 3phase 3current Transformer	4wire	3	Ammeter OFF B ○ R Y Ammeter OFF T ○ R S		4 R 5 A1 7 T(B) 8 A2 9 A3 11 N

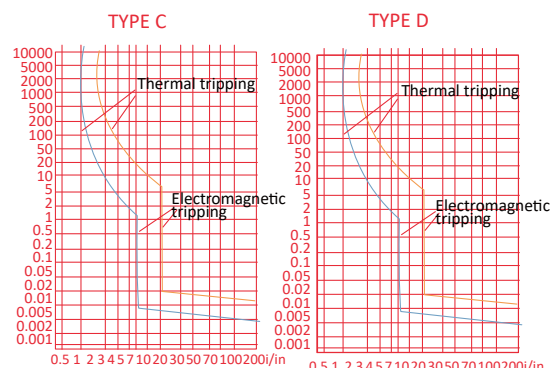
DZ47-63(C45N) Mini Circuit Breaker



APPLICATION :

DZ47-63 (C45N) series circuit breaker is used in lighting distribution system or motor distribution system for protecting overload and short circuit in the system. The product is neoteric in structure light in weight, reliable and excellent in performance. Its frame and parts adopt plastics of high fire resistant and shockproof. The product overload and short circuit protection, as well as for unfrequently switching on & of electric equipment and lighting circuit in normal case. The products comply with IEC60898 & GB10963-1999.

CHARACTERISTIC CURVE :



RATED MAKING AND BREAKING CAPACITY :

DZ47-63 (C45N) (C)			
Rated current (A)	Pole Number	Voltage (V)	Breaking Capacity
1~40	1P	230	6000
1~40	2, 3, 4P	400	6000
50~60	1P	230	4000
50~60	2, 3, 4P	400	4000

DZ47-63 (C45N) (D)			
Rated current (A)	Pole Number	Voltage (V)	Breaking Capacity
1~60	1P	230	4000
1~60	2, 3, 4P	400	4000

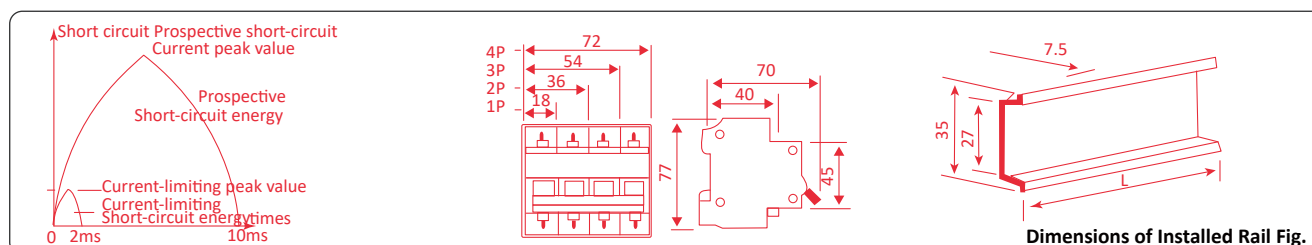
SPECIFICATION :

Setting temperature of protective characteristics at 400C
 Rated Voltage : 240V/415V
 Rated Current : 1, 3, 6, 16, 20, 25, 32, 40, 50, 63A
 Electrical Life : no less than 6000 operations
 Mechanical Life : (O-C) no less than 20000

OVER CURRENT PROTECTIVE CHARACTERISTIC :

Rated Current of release I_n (A)	Initial State	Test Current	Set Time	Prospective Result	Remarks
1~60	Cold position	1.13 I_n	$T \geq 1h$	Non-Tripping	
1~60	Made the test following closely	1.45 I_n	$T > 1h$	Tripping	Current up to specified value smoothly in 5s
$I_n \leq 32$	Cold state	2.55 I_n	$I_s < t < 60s$	Tripping	
$I_n \leq 32$	Cold state	2.55 I_n	$I_s < t < 120s$	Tripping	
1~60	Cold state	5 I_n	$t \geq 0.1s$	Non-Tripping	Model C
1~60	Cold state	10 I_n	$t \geq 0.1s$	Tripping	Model C
1~60	Cold state	10 I_n	$t \geq 0.1s$	Non-Tripping	Model D
1~60	Cold state	14 I_n	$t \geq 0.1s$	Tripping	Model D

DIMENSIONS :



Mini Circuit Breaker, Auxiliary Circuit Breaker

LYB1-100 (NC 100H) MINI CIRCUIT BREAKER :



LYB1-100 1P



LYB1-100 2P



LYB1-100 3P



LYB1-100 4P

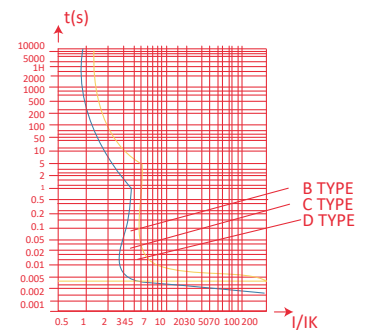
APPLICATION :

LYB1-100 high breaking capacity circuit breaker is used in AC 50Hz or 60Hz. single pole 240V, 2, 3, 4, poles 415V, for protecting the circuit which overload and short circuit may take place. It can be used in lighting and electric motor distribution system. Meantime it is applicable to unfrequently switch the electric apparatus and light circuit under the normal conditions. The products comply with IEC60898 & GB10963-1999.

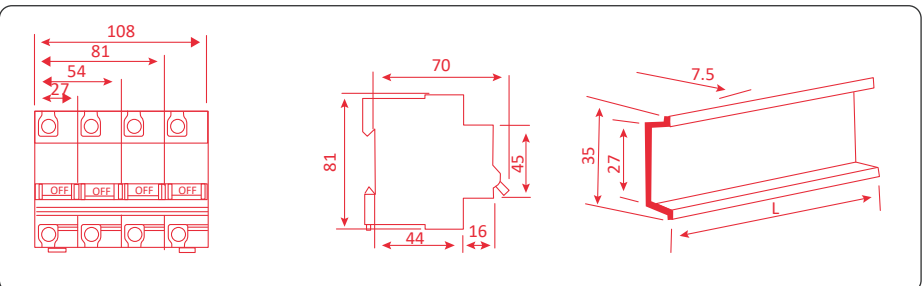
SPECIFICATION :

Rated Current (A)	Pole Number (A)	Rated Voltage (V)	Breaking Capacity
50	1	130	10000
63		230/240	10000
80		400/415	4000
100	2, 3, 4	230/240	10000
		400/415	10000
		440	6000

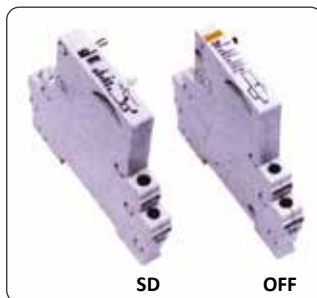
CHARACTERISTIC CURVE :



DIMENSIONS :



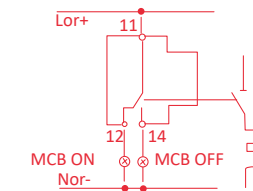
AUXILIARY CIRCUIT BREAKER :



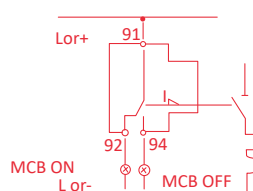
SD

OFF

Width(mm)	Voltage(V)	Code
9		27132



Width(mm)	Voltage(V)	Code
9		27135



TECHNICAL SPECIFICATION :

*Rated Short Circuit Breaking Capacity [pf=0.6]

Voltage (V)	Current (A)
380/415V AC	3
220/240V AC	6
250V DC	0.4
125V DC	1
48V DC	2
24V DC	6

Mini Circuit Breaker, Auxiliary Circuit Breaker

LYB2-63 (C60N/C65N) MINI CIRCUIT BREAKER :



LYB2-63 1P



LYB2-63 2P



LYB2-63 3P



LYB2-63 4P

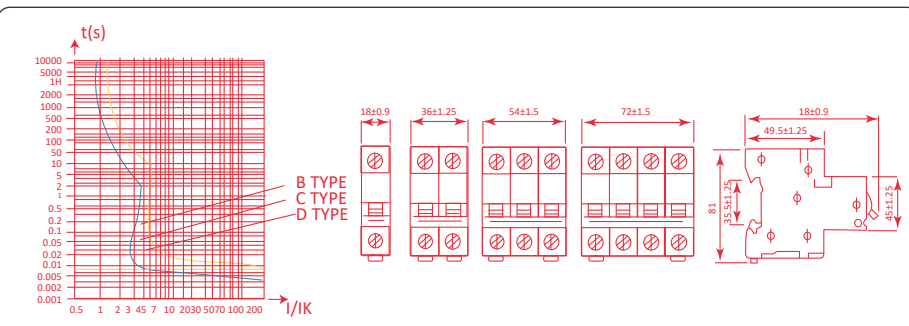
APPLICATION :

LYB2-63 mini circuit breaker belongs to the advanced level of the nineties in the international instead of the old generation of C45N. And they also have many merits of high protective grade (up to IP20), high breaking capacity, good reliability of sensitive action, convenient multi-pole assorting, long using life etc. They are mainly used for overload and short circuit protection within the circuit of AC 50Hz, 230V in single pole, 400V in double, three & four poles off lighting distribution system in industry & commerce. Meanwhile, they are also used in turning on & off the electric apparatus and lighting circuit under the normal condition.

SPECIFICATION :

Curve	Standard	Rated Current (A)	Poles (P)	Rated Voltage (V)	Breaking Capacity (A)
B	IEC60898	1, 2, 3, 4, 5, 6, 10, 16, 20, 25, 32, 40, 50, 63A	1	230/240	6000
C			2, 3, 4	400/415	6000
D					

CHARACTERISTIC CURVE & DIMENSIONS :



LYL7-63 MINI CIRCUIT BREAKER :



LYL7-63 2P



LYL7-63 3P



LYL7-63 4P

APPLICATION :

The LYL7-63 series MCB belong to the advanced level of the world. They have the characteristic of small size, high sensitivity, long using life and strong protective function for short circuit and overload. The products are the newest generation and feature of high protective grade, high breaking capacity, good reliability of sensitive action and convenient use. It is generally used for illumination and distribution in industry, commerce and buildings.

TECHNICAL SPECIFICATIONS :

Setting Temperature	40°C
Rated Voltage	240V/415V
Rated Current	1, 3, 5, 10, 15, 20, 25, 32, 40, 50, 60A
Electrical Life	No less than 6000 operations
Mechanical Life	No less than 40000 operations
Breaking Capacity	10KA
Number of Pole	1p, 2p, 3p, 4p

LY5S Mini Circuit Breaker

LY5S MINI CIRCUIT BREAKER :



APPLICATION :

LY5S Series miniature circuit breakers are mainly applied to protect the conductor cable. Lighting device and motor against short circuit and overload. With the features of high breaking capacity, strong current limiting and wide selection range, it is widely applied to the distribution wire protection of engineering, hotel building and mining enterprises.

TECHNICAL DATA :

Frequency	50Hz/60Hz
Rated Voltage	240/415VAC
Breaking Capacity	6000A
Rated Frame Current	50A
Rated Trip Current (A)	2, 3, 4, 6, 8, 10, 13, 16, 20, 32, 40, 50
Number of Pole	1, 2, 3

LYB3 CIRCUIT BREAKER :



APPLICATION :

LYB3 (DPN) is applicable to protect line-conductor against overload, and short circuit of small seated motors. It is main for protection of circuits with AC220V and 50Hz/60Hz, and for unfrequent conversion under normal conditions as well. Its action can be up to two poles with its only one pole volume and be used as a leakage breaker by assembling with leakage. It is produced as IEC60898.

TECHNICAL DATA :

1. Current rating : 1, 2, 3, 4, 6, 10, 16, 20, 25, 32A at 30°C;
2. Voltage rating : 220/240V AC;
3. Breaking capacity to IEC60898 : 4500A;
4. Number of operating cycles(O-C) : 2000;
5. Tripping characteristics curve : B curve: the magnetic release operate between 3 and 5In.
C curve: the magnetic release operate between 5 and 10In.

SX MINI CIRCUIT BREAKER :



SPECIFICATION :

Breaking Capacity : 6KA

Rated Voltage : 230V/400V

Rated Current : 1, 3, 6, 10, 16, 20, 25, 32, 40, 50, 63(A)

Standard : IEC60898

Pole No. : 1, 2, 3

LYBH-D6 Mini circuit Breaker, LYMB Mini Circuit Breakers

LYBH-D6 MINI CIRCUIT BREAKER :



LYBH-D6 1P



LYBH-D6 2P



LYBH-D6 3P

APPLICATION :

LYBH-D6 products of domestic power distribution box have come out. The high-quality and high-function circuit breaker used in domestic power distribution box is looking forward to your selection and application.

FUNCTION :

- ALL the machines meet the standards of IEC and GB.
- They can be installed in the track or 35mm of IEC.
- They have the function of high current limit.
- Protective grade: IP2X

SPECIFICATIONS :

Standard	GB10963, 1EC60898
Rated Voltage	230/400V/AC, 50/60Hz
Rated Current In	6, 10, 13, 16, 20, 25, 32, 40, 50, 63A
Ambient Temperature	- 10~40°C
Instant Trip Current	B.C.D
Rated Short-circuit Interrupting Capacity	6KA
Rated Running Short-circuit Interrupting Capacity	6KA
Mechanical Life	8000
Electrical Life	8000
Fix	Track of 35mm of IEC
Terminals (the side of ON)	Non-weld tin terminal
Terminal (the side of OFF)	Non-weld tin terminal/terminal with mouth
Busbar	0.7-1.5mm
Applied Wire	1-2.5mm ²
Releasing Method of Overload	Thermal-coil magnetic
Accessories	Insulation-board

LYMB MINI CIRCUIT BREAKER :



LYMB 1P

LYMB 2P

LYMB 3P

LYMB MCB-TYPE B TO BSEN60898(IEC 60898), 3 TO 5X IN :

Rating A	List No SP	List No SPEN	List No DP	List No TP	List No TPSN	List No FP
1	LYMBH101	LYMBH101N	LYMBH201	LYMBH301	LYMBH301N	LYMBH401
2	LYMBH102	LYMBH102N	LYMBH202	LYMBH302	LYMBH302N	LYMBH402
4	LYMBH106	LYMBH106N	LYMBH204	LYMBH304	LYMBH304N	LYMBH404
6	LYMBH104	LYMBH104N	LYMBH206	LYMBH306	LYMBH306N	LYMBH406
8	LYMBH108	LYMBH108N	LYMBH208	LYMBH308	LYMBH308N	LYMBH408
10	LYMBH110	LYMBH110N	LYMBH210	LYMBH310	LYMBH310N	LYMBH410
13	LYMBH113	LYMBH113N	LYMBH213	LYMBH313	LYMBH313N	LYMBH413

Rating A	List No SP	List No SPEN	List No DP	List No TP	List No TPSN	List No FP
16	LYMBH116	LYMBH116N	LYMBH216	LYMBH216	LYMBH316N	LYMBH416
20	LYMBH120	LYMBH120N	LYMBH220	LYMBH220	LYMBH320N	LYMBH420
25	LYMBH125	LYMBH125N	LYMBH225	LYMBH225	LYMBH325N	LYMBH425
32	LYMBH132	LYMBH132N	LYMBH232	LYMBH232	LYMBH332N	LYMBH432
40	LYMBH140	LYMBH140N	LYMBH240	LYMBH240	LYMBH340N	LYMBH440
50	LYMBH150	LYMBH150N	LYMBH250	LYMBH250	LYMBH350N	LYMBH450
63	LYMBH163	LYMBH163N	LYMBH263	LYMBH263	LYMBH363N	LYMBH463

LYL360 Residual Current Circuit Breaker (RCCB)

CHANGEOVER SWITCH :



LYL362-63A0.03A



LYL364 -63A0.03A



New Type LYL-362



New Type LYL-364

APPLICATION :

The item is in accordance with standards of IEC1008-1 and GB16916.1-1997, applying to the circuit of AC 50/60Hz, 240V single phase, 415V three phases or below it for industrial and mining enterprise, trade building, commerce and family. It is mainly used for preventing electric fire and personal casual accident caused by personal electric shock or leakage of electrified wore net, this RCCB is a current-operated fast leakage protector of pure electromagnet type, which can break off fault circuit rapidly on order to avoid occurrence of accident. The item is precise on structure, less elements, without auxiliary power and high working reliability. The unction of the switch won.t be Influenced by ambient temperature and lighting. The mutual conductor of the item is used to test vector differential value of passing current, and produces circuit of personal electric shock is up to or over leakage operating current, the tripper will act and cut off so that the item will take effect of protection.

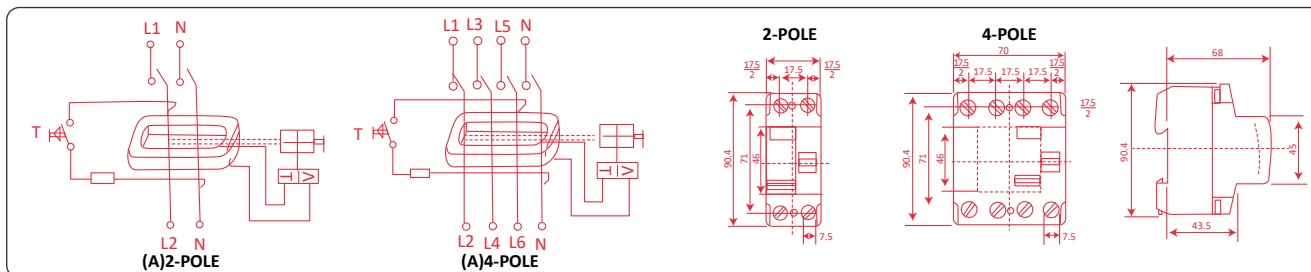
SPECIFICATION :

Type	Rated Current	Leakage Acting Current	Range of break-off	Rated Voltage
LYL362	16A	10mA	0.5~1.0xI _{Δn}	240V (220V)
	25A	30mA		
	32A	100mA		
	40A	300mA		
	63A	300mA		
LYL364	25A	30mA		240V/415V (220V/380V)
	32A	100mA		
	40A	300mA		
	63A	300mA		

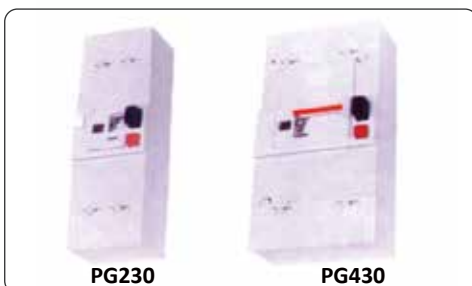
TECHNICAL DATA :

Tripping time : 100ms (depending on specifications 5xI_{Δn}≤40ms)
 Ambient temperature : -55°C~+55°C
 Climatic resistance : 550C/28 cycles
 Vibration resistance : Minimum 5g 30min.
 Life expectance : At least 10,000 operations

DIMENSIONS :



PG230 PG430 EARTH LEAKAGE CIRCUIT BREAKER :



PG230

PG430

APPLICATION :

PG230 & PG430 breakers are suitable in AC 50Hz, 250/440V circuit with earth leakage protection. The rated current is adjusted from 10A and 60A. User can select suitable current to better protection against overload and short circuit.

Type	PG230/PG430
Poles	2P, 4P
Rated Voltage (V)	250/440
Rated Current (A)	10, 15, 20, 30, 45, 50, 60A
Leakage Motion Current (mA)	300mA, 500mA
Leakage Dead Current (mA)	150mA, 250mA

DZ47LE (C45NLE) Earth Leakage Circuit Breaker (ELCB)

DZ47LE (C45NLE) EARTH LEAKAGE CIRCUIT BREAKER (ELCB) :



DZ47LE 1P2L



DZ47LE 2P2L



DZ47LE 3P3L



DZ47LE 4P4L

APPLICATION :

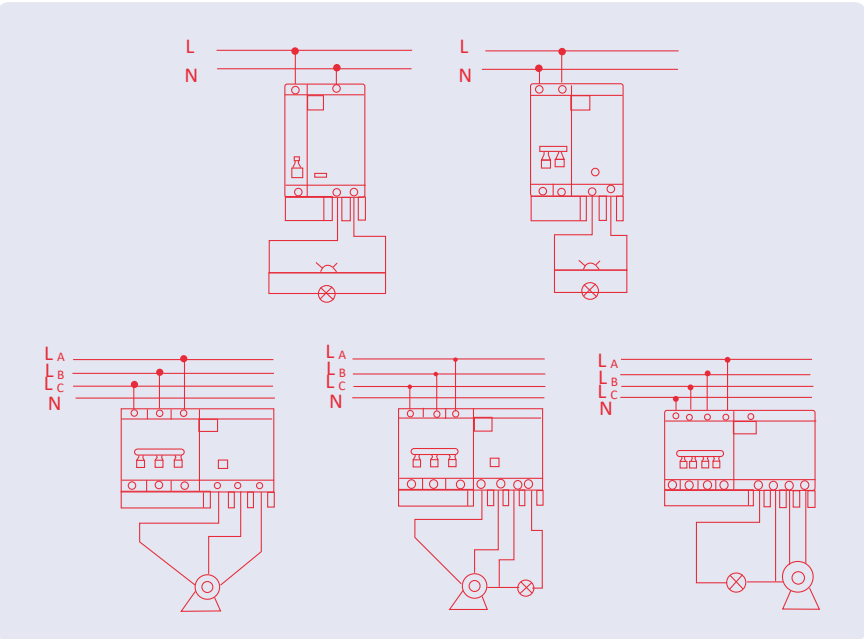
DZ47LE earth leakage circuit breaker is used for protecting against electrical leakage in the circuit of 50Hz or 60Hz, rated voltage single-phase 240V, three phases 415V, rated current up to 60A. If the current exceeds the fixed value, the ELCB can cut of the power within the time of 0.1s automatically to protect the personal residual current. With this function, the ELCB can protect the unfrequent switch-over of the circuit under normal conditions. It conforms to IEC1009.1 and GB 16917.1.

SPECIFICATIONS :

Rated Voltage (V)	Pole Number	Rated Current (A)	Leakage Action Current (mA)	Leakage Dead Current (mA)	Leakage Action Time(s)
220	1P	1~10	30	15	<0.1
380	2, 3, 4P	15~32	100	50	
		40~60			

WIRING DIAGRAM :

Single-pole Double Line	Double-pole Double Line	Triple-pole Triple Line	Triple-pole Four Line	Triple-pole Four Line
DZ47LE C45LE 1/2□	DZ47LE C45LE 2/2	DZ47LE C45LE 3/3	DZ47LE C45LE 3/4	DZ47LE C45LE 4/4



NFIN Residual Current Device (RCD)

NFIN RESIDUAL CURRENT DEVICE (RCD) :



APPLICATION :

The Residual Current Device (RCD) NFIN is mainly suitable for using in varieties of plants. Enterprise, buildings. Constructions, commerce, hotels and families. It can be used in circuits single phase 240V, three phases 415V, rated frequency 50 or 60Hz. It can cut off the fault circuit immediately on the occasion of shock hazard or earth leakage of trunk line. Thus it is suitable to avoid the shock hazard and fire caused by earth leakage. The Residual Current Device (RCD) NFIN IS conformity with the standards of IEC1008.1, GB16916.1.

SPECIFICATIONS :

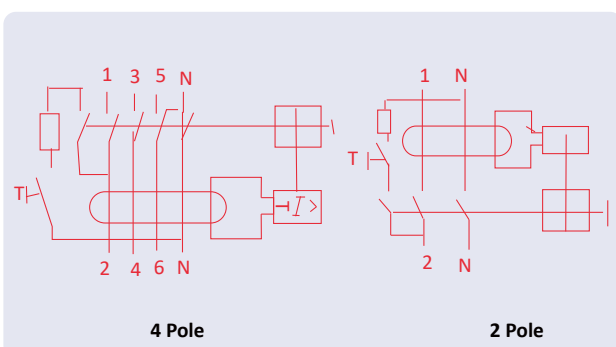
Type	NFIN25	NFIN40	NFIN63	NFIN100
Rated current I _n (A)	25	40	63	100
Rated operating current for earth leakage I _{Δn} (A)	0.03, 0.1, 0.3, 0.5		0.1, 0.3, 0.5	
Rated non-operating current for earth leakage I _{Δn} (A)	0.5I _{Δn}			
Voltage U _n (V)	240(220) 415(380)			
Pole	2, 4			



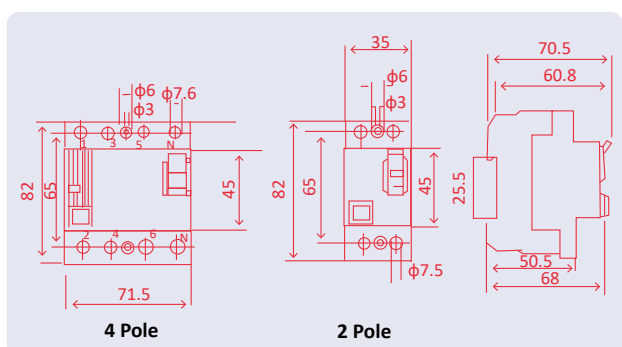
MAIN TECHNICAL DATA :

Operating Time(second)	$I_{\Delta n}$	$I_{\Delta n}$	0.25A (or $5I_{\Delta n}$)
	0.2	0.1	0.04
Limited value of non-operating current for balance load or unbalance load	$2I_n$		
In minimum value of rated making and breaking capacity	$I_n=25$	$I_n=40$	$I_n=63$
	200	300	400
Rated conditional short circuit current I_{nc} (A)	1500	2000	3000
Endurance (times)	4000		

OPERATION PRINCIPLE :



DIMENSIONS :



FIN Residual Current Device (RCD)

FIN RESIDUAL CURRENT DEVICE (RCD) :



APPLICATION :

The residual current device RCD FIN is in conformity with the standard of IEC1009.1 and GB16917. 1
It can cut off the fault circuit immediately on the occasion of shock hazard or earth leakage of trunk line. Thus it is suitable to avoid the shock hazard and fire caused by earth leakage.
FIN ELCB is mainly suitable for varieties of plants and enterprises, building, construction, commerce, hotels and families. It can be used in circuits single phase 240V, three phases 415V, rated frequency 50 to 60Hz.

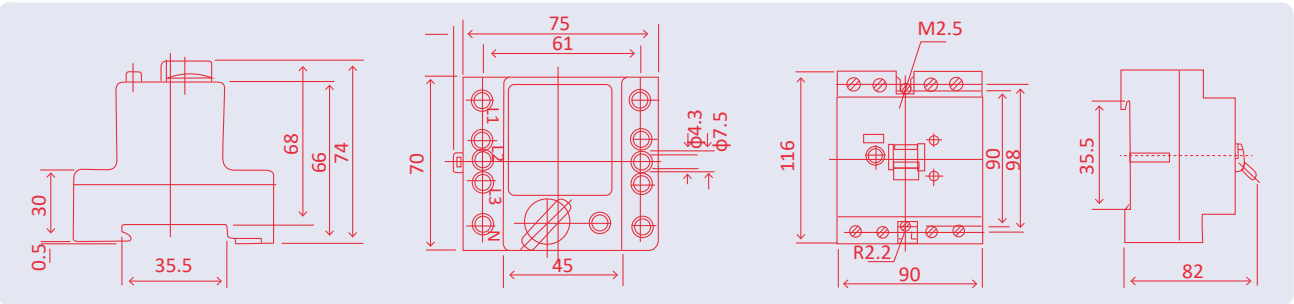
TECHNICAL DATA :

Operating Time (second)	$I_{\Delta n}$ 0.2	$I_{\Delta n}$ 0.1	0.25A (or $5I_{\Delta n}$) 0.04
	2In		
Limited value of non-operating current for balance load or unbalance load	In=25	In=40	In=63
In min value of rated making and breaking capacity	200	300	400
Rated conditional short circuit current Inc(A)	1500	2000	3000
Endurance (times)	4000		

SPECIFICATION :

Type	FIN25	FIN40	FIN63	FIN100
Rated current In (A)	25	40	63	100
Rated operating current for earth leakage I _{Δn} (A)	0.03, 0.1, 0.3, 0.5		0.1, 0.3, 0.5	
Rated non-operating current for earth leakage I _{Δn} (A)	0.5 I _{Δn}			
Voltage Un (V)	240(220) 415(380)			
Pole	2, 4			

DIMENSIONS :



ID Residual Current Circuit Breaker (RCCB)

ID RESIDUAL CURRENT CIRCUIT BREAKER (RCCB) :



APPLICATION :

The ID RCCB residual current device provide the functions of isolation, switching and earth leakage protection of electrical circuits. They have a residual current operated electromechanical release which operates without any auxiliary source of supply to open a circuit automatically in the case of an earth leakage fault between phase and earth greater than or equal to a threshold of 10mA. 30mA. or 500mA.

Compliance with standard : IEC1008 and GB16917.1

Rated Current : 16A to 100A

Rated Voltage : 2poles:240V

Minimum Voltage : 102VAC

Maximum Voltage : 264VAC

4poles : 415V

Minimum Voltage (ph/N) : 102VAC

Maximum Voltage (ph/N) : 264VAC

Type	2P						4P				
Width in mod. of 9mm	4						8				
Rat. (A)	16	25	40	63	80	100	25	40	63	80	100
Sens. (mA) 50HZ	10	10, 30, 300	30, 100, 300, 500	30, 100, 300, 500	30, 100, 300, 500	30, 100, 300	30, 300	30, 100, 300, 500	30, 100, 300, 500	300	300

DZ30LE EARTH LEAKAGE CIRCUIT BREAKER :

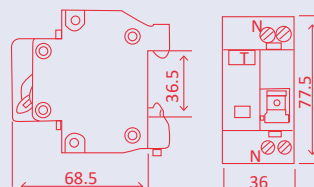
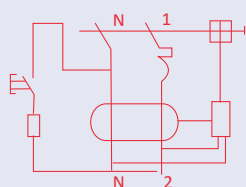


OVERLOAD TRIP CHARACTERISTIC :

Testing Current (A)	Limited Time	Pre-engage Result	Start Situation	Note
1. 13In	$t \geq 1h$	Non-trip	cold state	The current rise steadily to a fixed value within 5s
1.45In	$t < 1h$	trip	heat state	
2. 25In	$I_s < t < 60s$	trip	cold state	Open the supplementary switch, connect the power
5In	$t \geq 0.1s$	non-trip	cold state	Open the supplementary switch, connect the power
10In	$t < 0.1s$	trip	cold state	Open the supplementary switch, connect the power

Rated current (A)	Pole	Rated Voltage (V)	Rated Current of frame Current (A)	Rated Leakage Operating Current (mA)	Rated Leakage non-operating Current (mA)	Rated leakage breaking time (S)	Breaking Capacity (A)
6, 10, 16, 20, 25, 32	1P+N	220	32	30	15	$\leq 0.1s$	4500

DIMENSIONS :



LYM1 Series Moulded Case Circuit Breaker (MCCB)

LYM1 SERIES MOULDED CASE CIRCUIT BREAKER (MCCB) :



LYM1 SERIES



LYM1-100 3P



LYM1 SERIES



LYM1-100 4P

APPLICATION :

LYM1 series of molded case circuit breaker is our new type products developed and manufactured by adopting international advanced technology. It is supplied with rated in the voltage 660V and used for circuit of A.C.50Hz, rated operating voltage AC 380V (or below), rated operating current up to 800A for infrequent changing over and starting of the motors. Equipped with the protection devices for over-current, short circuit and under voltage, the products are capable of preventing damage of circuits and units.

CLASSIFICATION OF MCCB :

According to product poles, two kinds of three- pole and four pole has four types:

Type A : No current trip-release on N pole which making all the time; not closing and opening with the other three poles.

Type B : No current trip-release on N pole which closing and opening with the other three poles.

Type C : No current trip- release on N pole which closing and opening with the other three poles.

Type D : No current trip- release on N pole which making all the time; not closing and opening with the other poles.

MAIN TECHNICAL SPECIFICATIONS :

Type	Rated Current (A)	Pole No.	Rated Insulating Voltage (V)	Rated Insulating Voltage (V)	Arcing-Over Distance (mm)	Ultimate Short Circuit Breaking Capacity (KA)	Services Short Circuit Breaking Capacity (KA)	Operation Performance	
								ON	OFF
LYM1-63L	6,10, 16,	Three Four Pole	600V	380V	0	25	18	1500	8500
LYM1 -63M	20, 25, 32, 40, 50, 63				0	50	35		
LYM1-100C	10, 16, 20,				0	25	18		
LYM1- 100L	25,32, 40,				0(≤50)	35	22		
LYM1-100M	50, 63, 80,				0(≤50)	50	35		
LYM1-100H	100				0(≤50)	85	50		
LYM1-225C	100, 125,				≤50	25	18	1000	7000
LYM1-225L	160, 180,				≤50	35	22		
LYM1-225M	200, 225				≤50	50	35		
LYM1-225H					≤50	85	50		
LYM1-400C	225, 250,				≤50	35	25		
LYM1-400L	315, 350,				≤100	50	35		
LYM1-400M	400				≤100	65	42	1000	4000
LYM1-630C	400				≤100	35	25		
LYM1-630L	500				≤100	50	35		
LYM1-630M	600				≤100	65	42		
LYM1-630H					≤100	100	65		
LYM1-800M	630, 700,				≤100	65	42		
LYM1-800H	800				≤100	100	65		

LYNS Moulded Case Circuit Breaker

LYNS MOULDED CASE CIRCUIT BREAKER :



APPLICATION :

LYNS series moulded case circuit breaker is one of the most advanced type breaker on the world, which adopts international advanced design and manufacture technology. They are suitable for short circuit and overload protection on circuit of AC 690V, 50/60Hz, rated current from 12.5A to 630A. Its rated insulation voltage is 690V. It can make and break the unfrequently circuit under normal conditions. It takes protecting effect when motor cage motors unfrequently start, making & breaking and producing against overload, short circuit and lacking voltage.

TRIPPING CHARACTERISTICS :

Rated Current of release (A)	Thermodynamic Release (ambient temp+40°C)		Operational Current of Magnetic Release (A)
	1.05In (cold state) operative time(h)	1.30In (heat state) operative time(h)	
In≤63	≥1	<1	10In±20%
63<In≤100	≥2	<2	10In±20%
100<In≤630	≥2	<2	5-10In±20%

Rated Current of release (A)	Thermodynamic Release (ambient temp+40°C)				Operational Current of Magnetic Release (A)
	1.0In (cold state) operative time(h)	1.20In (heat state) operative time(h)	1.50In (heat state) operative time(h)	1.01In (heat state) operative time(h)	
12.5≤In≤400	≥2	<2	≤4min	2S<Tp≤10S	12In±20%

MAIN TECHNICAL SPECIFICATIONS :

Type	Rated Current (A)	Pole Number	Rated Insulating Voltage (V)	Rated Insulating Voltage (V)	Arcing-Over Distance (mm)	Ultimate short Circuit Breaking Capacity (KA)	Services Short Circuit Breaking Capacity (KA)	Operation Performance	
								ON	OFF
LYNS-100D	12.5, 16, 20, 25, 32, 40, 50, 63, 80, 100	3, 4	950	690	0	18	18	1500	8500
LYNS-100N						25	25		
LYNS-100H						70	70		
LYNS-100L						150	150		
LYNS-160D	16, 20, 25, 32, 40, 50, 63, 80, 100, 125, 160					25	25	1000	7000
LYNS-160N						36	36		
LYNS-160H						70	70		
LYNS-160L						150	150		
LYNS-250D	160, 180, 200, 225, 250					25	25	1000	7000
LYNS-250N						36	36		
LYNS-250H						70	70		
LYNS-250L						150	150		
LYNS-400D	200, 225, 250, 300, 315, 400					35	35	1000	4000
LYNS-400N						45	45		
LYNS-400H						70	70		
LYNS-400L						150	150		
LYNS-630D	315, 350, 400, 500, 600, 630					35	35	1000	4000
LYNS-630N						45	45		
LYNS-630H						70	70		
LYNS-630L						150	150		

LYABB Moulded Case Circuit Breaker

LYABB MOULDED CASE CIRCUIT BREAKER :



LYABB-125



LYABB-160



LYABB-400



LYABB-630

APPLICATION :

LYABB series moulded case circuit breaker, is suitable for the circuit of AC 50Hz (or 60Hz), rated insulation Voltage 660V, rated operating Voltage under AC 660V, 250V(DC), rated operating current 10A-800A. It is for distributing energy of electricity and infrequent making and circuit under normal conditions. The MCCB rated current under 400A. They are provided with the function of the protection against overload and short circuit and under voltage. The MCCB complies with standard of IEC60947-2.

TRIPPING CHARACTERISTIC :

Rated Current of release (A)	Thermodynamic Release (ambient temp+40°C)		Operational Current of Magnetic Release (A)
	1.0In (cold state) inoperative time(h)	1.0In (heat state) inoperative time(h)	
$I_n \leq 63$	≥ 1	< 1	$10-50I_n \pm 20\%$
$63 < I_n \leq 250$	≥ 2	< 2	$10I_n \pm 20\%$
$250 < I_n \leq 800$	≥ 2	< 2	$5-10I_n \pm 20\%$

Rated Current of release (A)	Thermodynamic Release (ambient temp+40°C)				Operational Current of Magnetic Release (A)
	1.0In (cold state) inoperative time(h)	1.20In (heat state) inoperative time(h)	1.50In (heat state) inoperative time(h)	1.01In (heat state) inoperative time(h)	
$12.5 \leq I_n \leq 400$	≥ 2	< 2	$< 4\text{min}$	$2S < T_p \leq 10S$	$12I_n \pm 20\%$

MAIN TECHNICAL SPECIFICATIONS :

Type	Rated Current (A)	Pole No.	Rated Insulating Voltage (V)	Rated Operating Voltage (V)	Arcing Over Distance (mm)	Uervies Short Circuit Breaking Capacity (KY)			Servies Short Circuit Breaking Capacity (KY)		Operation Performance (Endurance)		Overall Dimensions		
LYABB-125E	12.5, 16, 20, 25,	2, 3, 4	660	380 660	>30	15	-	-	7.5	-	3000	7000	120	76/101	70
LYABB-125S	32, 40, 50, 63, 80, 100, 125					25	-	20	16	-					
LYABB-160S	16, 20, 32, 40,				0	35	8	20	18	-	4000	6000	120	90/120	70
LYABB-160H	50, 63, 80, 100, 125, 160					50	10	40	25	-					
LYABB-250S	100, 125,160,					35	10	40	18	-	2000	6000	170	105/140	103.5
LYABB-250M	180, 200,					50	16	40	30	-					
LYABB-250H	225, 250				65	18	40	48	-	1000	4000	254	140/184	103.5	
LYABB-400S	200, 225, 250, 315, 350, 400				35	16	40	18	-						
LYABB-400M					50	20	40	30	-						
LYABB-400H					65	25	40	48	-						
LYABB-630S	400, 500, 630				50	20	40	30	-	1000	4000	268	210/280	103.5	
LYABB-630M					65	25	40	48	-						
LYABB-630H					80	30	40	60	-						
LYABB-800S	500, 630, 700, 800				50	20	40	30	-	1000	4000	268	210/280	103.5	
LYABB-800M					65	25	40	48	-						
LYABB-800H					80	30	40	60	-						

NF-CP Moulded Case Circuit Breaker (MCCB)

NF-CP MOULDED CASE CIRCUIT BREAKER(MCCB) :



NF50-CP



NF250-CP



NF-100SS 3P



NF-250SS 3P



NF-100SS 4P

SPECIFICATIONS :

NF-CP	Pole Number	Rated Current (A)	Testing Voltage (V)	(P1/p2)Ics/Ics Breaking Capacity (KA)			
				230	400	440	500
NF-50CP	3	5 10 15 20 30 40 50	600	5/2	5/2	2.5/1	2.5/1
NF-60CP	3	60	600	5/2	5/2	2.5/1	2.5/1
NF-100CP	3	60 75 100	600	25/13	10/5	10/5	7/4
NF-250CP	3	125 150 175 200 225 250	600	30/15	18/9	15/8	10/5
NF-400CP	3	250 300 350 400	600	50/25	36/18	25/13	15/8

ENCLOSURE FOR NF-CP :



Main Breakers - Installed



SPECIFICATIONS :

Type	Pole Number	Rated Current (A)	Testing Voltage (V)	Circuit Breaking Capacity (KA)					
				AC(P1/P2)					
			AC	240	380	415	500	600	660
NF-30SS	2	3 5 10 15 20 30	600	5/5	5/2.5	2.5/1.5	2.5/1.0	-	-
	3		600						
NF-50SS	3	10 20 30 40 50	600	5/10	10/7.5	7.5/5	7.5/5	2.5/1.5	-
NF-60SS	3	10 20 30 40 50 60	600	5/10	10/7.5	7.5/5	7.5/5	2.5/1.5	-
NF-100SS	3	60 75 100	660	50/42	30/20	25/15	15/10	10/5	5/2.5
	4		660						
NF-250SS	3	125 150 175 200 225 250	660	50/42	30/22	25/20	18/15	15/10	5/2.5
	4		660						
NF-400SS	3	250 300 350 400	660	85/60	50/35	50/30	35/25	25/18	15/10
	4		660						
NF-630SS	3	500 600 630	660	85/60	50/35	50/30	35/25	25/18	15/10
	4		660						
NF-800SS	3	600 700 800	660	85/60	50/35	50/30	35/25	25/18	15/10
	4		660						

EA Moulded Case Circuit Breaker

EA MOULDED CASE CIRCUIT BREAKER :



APPLICATION :

This circuit breaker is suitable for industrial commercial power and lighting circuit. Its rated working voltage is 240V to 415V(AC 50Hz). It can be used to protect the circuit that overload or short circuit may take place and also for protecting the circuit which is not frequently in make break operation under normal conditions.

SPECIFICATIONS :

Type	Poles	Rated Current (A)	Rated Voltage ui(V)	Interrupting Capacity (KA)					
				AC Voltage					DC Voltage
				220/240V	380/415V	460V	550V	600V	
EA32	2	3, 5, 10, 15, 20, 30	415	2.5	1.5	-	-	-	-
EA33	3	3, 5, 10, 15, 20, 30	415	2.5	1.5	-	-	-	-
EA52	2	15, 20, 30, 40, 50	600	5	2.5	2.5	1.5	-	2.5
EA53	3	15, 20, 30, 40, 50	600	5	2.5	2.5	1.5	-	2.5
EA62	2	60	600	5	2.5	2.5	1.5	-	2.5
EA63	3	60	600	5	2.5	2.5	1.5	-	2.5
EA102	2	60, 75, 100	600	25	10	10	7.5	5	5
EA103	3	60, 75, 100	600	25	10	10	7.5	5	5
EA202	2	125, 150, 175, 200	600	30	15	15	10	7.5	10
EA203	3	125, 150, 175, 200	600	30	15	15	10	7.5	10
EA402	2	250, 300, 350, 400	600	35	22	22	18	18	10
EA403	3	250, 300, 350, 400	600	35	22	22	18	18	10
EA603	3	500, 600	600	42	30	30	22	22	10
EA803	3	700, 800	600	42	30	30	22	22	10



SA Moulded Case Circuit Breaker

SA MOULDED CASE CIRCUIT BREAKER :



APPLICATION :

This circuit breaker is suitable for industrial or commercial power and lighting circuit. Its rated working voltage is 240V to 415V(AC 50Hz). It can be used to protecting the circuit that overload and short circuit may take place and also for protecting the circuit which is not frequently in make-break operation under normal conditions.

SPECIFICATIONS :

Type	Poles	Rated Current (A)	Rated Voltage Ui(V)	Interrupting Capacity (KA)					
				AC Voltage					DC Voltage
				220/240V	380/415V	460V	550V	600V	
SA32	2	3, 5, 10, 15, 20, 30	660	5	2.5	2.5	1.5	1.5	2.5
SA33	3	3, 5, 10, 15, 20, 30	660	5	5.5	2.5	1.5	1.5	2.5
SA52	2	5, 10, 15, 20, 30, 40, 50	660	25	10	10	7.5	5	5
SA53	3	5, 10, 15, 20, 30, 40, 50	660	25	10	10	7.5	5	5
SA62	2	60	660	10	7.5	7.5	2.5	2.5	5
SA63	3	60	660	10	7.5	7.5	2.5	2.5	5
SA102	2	15, 20, 30, 40, 50, 60, 75, 100	660	50	25	25	15	10	10
SA103	3	15, 20, 30, 40, 50, 60, 75, 100	660	50	25	25	15	10	10
SA202	2	125, 150, 175, 200, 225	660	50	30	25	18	15	20
SA203	3	125, 150, 175, 200, 225	660	50	30	25	18	15	20
SA402	2	250, 300, 350, 400	660	85	45	42	35	30	40
SA403	3	250, 300, 350, 400	660	85	45	42	35	30	40
SA603H	3	500, 600	660	85	45	42	35	30	40
SA603L	3	500, 600	660	125	60	60	42	35	40
SA803H	3	700, 800	660	85	45	42	35	30	40
SA803L	3	700, 800	660	125	60	60	42	35	40

GV Motor Protection Circuit Breaker

GV MOTOR PROTECTION CIRCUIT BREAKER :



GV1-M



GV2-M



GV2-RS



GV3-M



GV4

APPLICATION :

GV series motor protection circuit breaker are mainly used for the overload and short circuit protection of the motor on AC 50-60Hz, up to 660V.0.1-80A power circuit, as a full-voltage starter to start and cut off the motor, under the AC3 load or for the overload and short circuit protection of the circuit and power equipment in the power distribution network.

SPECIFICATIONS :

Type	Standard Power Ratings of 3-phase Motors 50/60Hz in Category AC-3						Setting Range
	220V KW	380V KW	415V KW	440V KW	500V KW	660V KW	
GV1-M01	-	-	-	-	-	-	0.1-0.16
GV1-M02	-	-	-	-	-	-	0.16-0.25
GV1-M03	-	-	-	-	-	-	0.25-0.4
GV1-M04	-	-	-	-	-	0.37	0.4-0.63
GV1-M05	-	-	-	0.37	0.37	0.55	0.63-1
GV1-M06	-	0.37	-	0.55	0.75	1.1	1-1.6
GV1-M07	0.37	0.75	1.1	1.1	1.1	1.5	1.6-2.5
GV1-M08	0.75	1.5	1.5	1.5	2.2	3	2.5-4
GV1-M10	1.1	2.2	2.2	3	3.7	4	4-6
GV1-M14	2.2	4	4	4	5.5	7.5	6-10
GV1-M20	4	7.5	7.5	7.5	10	11	10-16
GV1-M21	5.5	10	9	9	11	15	16-20
GV1-M22	5.5	11	11	11	15	18.5	20-25
GV2-M01/RS01	-	-	-	-	-	-	0.1-0.16
GV2-M02/RS02	-	-	-	-	-	-	0.16-0.25
GV2-M03/RS03	-	-	-	-	-	-	0.25-0.4
GV2-M04/RS04	-	-	-	-	-	0.37	0.4-0.63
GV2-M05/RS05	-	-	-	0.37	0.37	0.55	0.63-1
GV2-M06/RS06	-	0.37	-	0.55	0.75	1.1	1-1.6
GV2-M07/RS07	0.37	0.75	0.75	1.1	1.1	1.5	1.6-2.5
GV2-M08/RS08	0.75	1.5	1.5	1.5	2.2	3	2.5-4
GV2-M10/RS10	1.1	2.2	2.2	3	3.7	4	4-6.3
GV2-M14/RS14	2.2	4	4	4	5.5	7.5	6-10
GV2-M16/RS16	3	5.5	5.5	7.5	7.5	9	9-14
GV2-M20/RS20	4	7.5	9	9	9	11	13-18
GV2-M21/RS21	5.5	11	11	11	11	15	17-23
GV2-M22/RS22	5.5	11	11	11	15	18.5	20-25
GV2-M32/RS32	7.5	15	15	15	18.5	26	24-32
GV3-M06	-	0.37	-	0.55	0.75	1.1	1-1.6
GV3-M07	0.37	0.75	1.1	1.1	1.1	1.5	1.6-2.5
GV3-M08	0.75	1.5	1.5	1.5	2.2	3	2.5-4
GV3-M10	1.1	2.2	2.2	3	3.7	4	4-6
GV3-M14	2.2	4	4	4	5.5	7.5	6-10
GV3-M20	4	7.5	7.5	7.5	10	11	10-16
GV3-M25	5.5	11	11	11	15	18.5	16-25
GV3-M40	11	18.5	22	22	25	33	25-40
GV3-M63	15	30	33	33	40	55	40-63
GV3-M80	22	40	45	45	55	63	56-80

3VU1/DZ108(3VE) Motor Protection Circuit Breaker



3VU1300



3VU1600

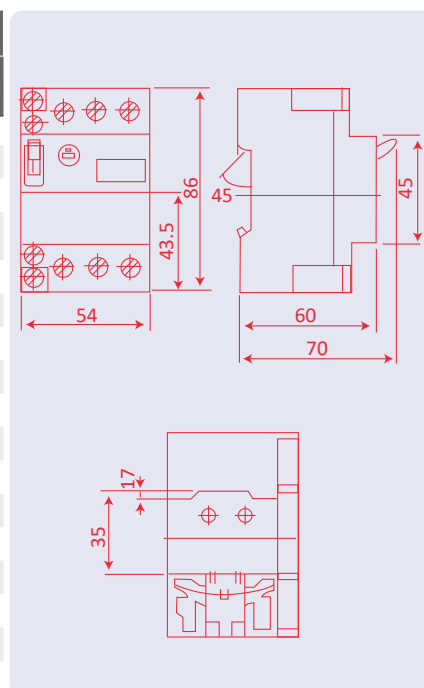
APPLICATION :

The product is suitable to be used on circuit of rated voltage up to AC 660V 50/60Hz, rated current from 0.1A to 63A. It is applicable for protection of over load & short circuit of three-phase squirrel cage motors. It also can be used as direct starter to start the motor and as a switch to changeover the circuit under normal conditions.

SPECIFICATION :

3VU1300			3VU1600		
Current Setting Range (A)	Power of Controlled Motor (kw)	Current Rated (A)	Current Setting Range (A)	Power of Controlled Motor (KW)	Current
0.1-0.16		0.16	1-1.6	0.37/0.55	1.6
0.16-0.24	0.06	0.24	1.6-2.4	0.75	2.4
0.24-0.4	0.09/0.12	0.4	2.4-4	1.1/1.5	4
0.4-0.6	0.12/0.18	0.6	4-6	2.2	6
0.6-1	0.25	1	6-10	3/4	10
1-1.6	0.37/0.55	1.6	10-16	5.5/7.5	16
1.6-2.4	0.75	2.4	16-25	11	25
2-3.2	1.1	3.2	22-32	15	32
2.4-4	1.1/1.5	4	28-40	18.5	40
3.2-5	1.5/2.2	5	36-52	22	52
4-6	2.2	6	45-63	-	63
5-8	3	8			
6-10	3/4	10			
8-13	4/4.5	13			
10-16	7.5	16			
14-20	7.5	20			
18-25	11	25			

DIMENSIONS :



DZ108(3VE) MOTOR PROTECTION CIRCUIT BREAKER :



3VE1



3VE3



3VE4

APPLICATION :

3VE is suitable in circuit of AC50Hz or 60Hz, voltage up to 660V and current up to 63A and used to prevent small capacity motor and circuit s from overload and short circuit and also used as direct starter for starting the motor and a switch for changeover the circuit under normal conditions.

SPECIFICATION :

Type	3VE1	3VE3	3VE4
Poles	3	3	3
Rated Current (A)	20	32	63
Rated Voltage (V)	660	660	660
Rated Insulation Voltage (V)	660	750	750
Current Setting Range (A)	0.1~0.16, 0.16~0.25, 0.25~0.4, 0.4~0.63, 0.63~1.1, 1~1.6, 1.6~2.5, 2~3.2, 2.5~4, 3.2~5, 4~6.3, 5~8, 6.3~10, 8~12.5, 10~16, 14~20	1~1.6, 1.6~2.5, 2.5~4, 4~6.3, 6.3~10, 8~12.5, 10~16, 12.5~20, 16~25, 22~32	6.3~10, 10~16, 16~25, 22~32, 28~40, 36~50, 45~63, 45~56
Power of Controlled Motor (KW)	220V	5.5	9
	380V	10	16
	660V	13	26
Mechanical Life (1x10 ⁴)	10	10	3
Protective Feature	1.05Ie	Not act within 2hrs	
	1.2Ie	Act within 2hrs	
	12Ie	Action snap	

INSTRUMENT

51



ST 8

Input signal	:	K, E, S, B, J, T, R, N
Thermocouple	:	Pt 100 Cu100 Cu50 BA2 BA1 G Pt100 mini measure
Thermal resistance	:	0-400Ω
Remote sending manometer	:	0-20mV 0-75mV 0-200mV 0-5V 1-5V 0-10mA 4-20mA frequency 0-10KHz
Lihe signal	:	± 0.5% F.S±1 word
Accuracy	:	Fuzzy PID control, states control manual control
Control way	:	Relay contact point AC250V 3A (resistance)
Control output	:	
Voltage pules output	:	
Logical voltage DC 0-5V	:	
Start pulse over zero	:	optical couple control Silicon output 1A 600V
Start pulse on transport	:	optical couple control silicon 1A 600V 0-10mA, 0-20mA, 4- 20mA Current output (below load resistance 600V
Alarm type	:	high limit alarm, lower limit alarm, upper high limit alarm, below lower limit alarm
Transmitter output	:	0-10mA, 4-20mA, 0-5V, 1-5V
Power output	:	DC24V (used in double line transmitter
Work power	:	AC 220V±10% 50/60Hz AC85-264V 50/60Hz



ST818 series intelligent digital temperature controller is a kind of new generation high Intelligent instrument, which was developed on the base of St 808 series intelligent Digital temperature controller, it adopted the advanced intestinal instrument spectral chip, which has the advantage strong anti-ramming capability. Meanwhile, it also adopted wide range switching power, and is manufactured by the international standard the products is compatible with exported intelligent. Digital temperature controller in property index, input way, control function and installation dimension.

MAIN TECHNICAL :

- Thermocouple : K, E, S, B, J, T, R, N
- Thermoelectricity resistance: Pt 100 Cu 100 Cu 50 BA2 BA1 Pt 100 small range
- Long distance transference pressure meter : 0~400Q
- Linear signal : 0~20mV, 0~75mV, 0~200mV, 0~5V, 1~5V, 0~10mA, 4~20mA
- basal error: input $\pm 0.2\%$ $\pm$ one digit of the complete range
- differentiate rate : 1°C, 0.1°C, 0.01°C
- alarm function : upper limit and lower limit, most upper limit, most lower limit
- alarm output : relay contact AC 250V 3A (resistance)

Control Input :

- Relay contact AC250V 3A (resistance)
- Logic voltage DC 0/5V
- Zero-crossing trigger impulse: photo coupler controlled Silicon output 1A 600V

- Phase-shift trigger impulse: photo coupler controlled Silicon output 1A 600V
- 0~10mA current output (load resistance under 600Ω)
- 0~20mA current output (load resistance under 600Ω)
- 4~20mA current output (load resistance under 600Ω)

Control Way: Illegibility control PID control, digit type control manual control
manual function: amend output quantity through the keyboard by the clients

Power Voltage:

- AC85-264V(50/60Hz)(Rated 100-240V AC)
- AC220V 10% 50-60Hz

Working Environment: Temperature 0-50 humidity<85%RH No-erodent condition power consume<5VA

Exterior Dimension: S:80x160 T:160x80 A:96x96 D:72x72 E:96x48 F:48x96
G:48x48mm

Hole Size: S: 76x152 T: 152x76 A: 92x92 D: 68x68 E: 92x45 F: 45x92 G: 45x45mm

Temperature Controller (Cont...)

TEMPERATURE CONTROLLER :



XMTA



XMTD



XMTE



XMTG

BRIEF INTRODUITION :

9□□□ series (REX series) intelligent digital display temperature controller adopted the latest plane touch operation and microcomputer control technique. Based on the principle of simpleness, convenience, stability and reliability, this series instruments have great adaptability to the market and comply with the International standard and have various installation sizes.

The series intelligent digital display temperature controller is a kind of economical Instrument with high price-property ratio, which can substitute for the general digital display temperature controller, It has many functions such as control, alarm, transformation and transfer. Moreover, it has PID control function.

CHARACTERISTIC :

- Display PV value and SV value by the high Bright, Green and Red, double-row digital-tube
- Appointed input by sensing signal
- Automatic amend by sensing unit
- Function of second class data lock protection
- Precise measurement:
 1. $\pm 1\%FS$ one digit
 2. $\pm 0.5\%FS$ one digit
- Alarm range: free set the complete range
- Operating power supply:
 1. Switch power: 85-264 VAC 50/60Hz
 2. AC220V $\pm 10\%$, 50/60Hz

TYPE NAMED

XMT□ R E X -9□□□

Dimension
(width*high)
A:96x96(92x92)
B:72x72(68x68)
E:48x96(45x92)
F:96x48(92x45)
G:48x48(45x45)
T:160x48(152x76)
Hole Size in the
parentheses

No endnote, intelligent double digit display
Z, intelligent double digit display
With PID function

Input signal:

- 1-The thermocouple(mv): K, E, J, T, S, ETS
- 2-Thermal resistance(Ω): Cu50, Pt100 ETC.
- 3-Hall transmitter, CP differential manometer or Voltage
- 4-Remote sending manometer
- 5-Standard current: 0~10mA, 4~20mA

Alarm function:

- 0-No alarm function
- 1-Upper limit contact output alarm function
- 2-Lower limit contact output alarm function
- 3-Upper lower limit alarming function

Adjust ways:

- 0-Two states adjustment
- 2-Three states adjustment
- 4-Breaking/connect contact point PID adjustment
- Driving solid relay PID function
- 8-Output three phase zero passage contact signal PID adjustment
- 7-Output single phase zero passage contact signal PID adjustment
- 9-Output 0~10mA ETC. Current PID adjustment



SG-632



SG-771



SG-742



SG-714

SG-632 DIAL SETTING, WHOLE MEASURING RANGE INDICATE THERMOREGULATOR

Input signal: K, J, Pt100 Accuracy: class 1.5
Law of regulation: two-phase style, time proportion adjustment stule
Alarm function: It has alarm function
Solid state relay Power source: AC110/220V, 50/60Hz
Size: 96x96x100mm Hole size: 92⁺¹x92⁺¹mm

SG-742 DIAL SETTING, NUMBER INDICATING THERMOREGULATOR

Input signal : K, J, Pt100 Accuracy: class 0.5. 1.0
Law of regulation: two-phase style, time proportion adjustment stule
Alarm function: It has alarm function
Solid state relay Power source: AC110/220V 50/60Hz
Size: 72x72x100mm Hole size: 68⁺¹x68⁺¹mm

SG-771 ENCODED SETTING, NUMBER INDICATING THERMOREGULATOR

Input signai: K, J, Pt100 Accuracy: class 0.5, 1.0
Law of regulation: two-phase style, time proportion adjustment stule
Alarm function: It has alarm function
Solid state relay Power source: AC110/220V 50/60Hz
Size: 72x72x100mm Hole size: 68⁺¹x68⁺¹mm

SG-714 DIAL SETTING, NO INDICATING THER MOREGULTOR

Input signal: K, J, Pt100 Accuracy: class 1.5
Law of regulation: two-phase style, time proportion adjustment stule
Alarm function: It has alarm function
Solid state relay Power source: AC110/220V 50/60Hz
Size: 72x72x100mm Hole size: 68⁺¹x68⁺¹mm

Temperature Controller (Cont...)

TEMPERATURE CONTROLLER :



TC-2

TC-2 BOTTON SETTING, NO INDICATING THERMOREGULTOR

Input signal: K J thermocouple
Accuracy: Class 1.5
Law of regulation: time proportion adjustment style
Solid state relay Power source: AC110/220V 50/60Hz
Size: 96x96x122mm Hole size: 92⁺¹x92⁺¹mm



TEW

TEW BOTTON SETTING, DEVIATION INDICATE THERMOREGULATOR

Input sinal: K J thermocouple
Accuracy: Class 1.5
Law of regulation: time proportion adjustment stule
Solid state relay Power source: AC 110/220V 50/60Hz
Size: 96x96x122mm Hole size: 92⁺¹x92⁺¹mm



4BIC

4BIC DIAL SETTING, NO INDICATINGTHERMOREGULTOR

Input signai:K J thermocouple
Accuracy: Class 1.5
Law of regulation: time proportion adjustment style
Solid state relay Power source: AC110, 220V 50/60Hz
Size: 72x72x100mm Hole size: 68⁺¹x 68⁺¹mm



PF-4

PF-4 KNOB SETTING, WHOLE MEASURING RANGE INDICATE THERMOREGULATOR

Input signai : K J thermocouple
Accuracy: class 1.5
Law of regulation: time proportion adjustment style
Solid state relay Power source: AC 110, 220V 50/60Hz
Size:72x72x100mm Hole size: 68⁺¹x 68⁺¹mm

THERMOCOUPLE, THERMAL RESISTANCE INPUT SIGNAL: K, J, K Pt100



WSS BIMETAL THERMOMETER



The products are widely used in metallurgy, petroleum, chemistrical industry, textile and such, temperature measure with the characters of convient using, convient keeping, solid, surgeproof and so on.

TYPE NAME AND MAIN TECHNICAL PARAMETER

Section	Bit	Code	Definition	
The First Section	First bit	w	Temperature messure meter	
	Second bit	s	Metal swell thermometer	
	Third bit	s	Temperature sensing point with elertric	
	Forth bit	X	Connecting point with elertric	
The Second Section			Single indicate	
	First bit	3	Shape of diameter	Φ60mm
		4		Φ100mm
		5		Φ150mm
	Second bit	0	Type	Axial type
		1		Lateral type
		2		130° type
		0		No fixed installation
	Third bit	1	Install model	Movable installation
		2		Movable inside screw
		3		Fixed outside screw
		4		Fixed flange
		5		Bulgy installation
	Forth bit	J	Outdoor type(AL alloy carapace)	
		JW	Antiseptic type(titanium alloy protective pipe)	

Mechanical Kilowatt Hour Meter

MECHANICAL KILOWATT HOUR METER :



APPLICATION :

Single-phase meter is a induction meter to measure single phase power at rated frequency 50HZ/60HZ, rated voltage 220/240V. The Ambient temperature is 15-50°C, relative humidity below 85% at 23°C.

MAIN FEATURE :

- Double Jewel bearing/Magnetic bearing 6 digital
- Cyclometer type register
- Ui-direction register
- ABS, Poly carbonate, Aluminum alloy cover available

SPECIFICATION :

Item	Type	Accuracy	R.V.	Callbration(A)	Manner
Single Phase Watt Meter	DD862- 4	2	220	2.5(10)5(20)10(40) 15(60)20(80)30(100)	Direct connection
	DD862-2			1.5(6)	Connection with Current Transformer
				3(6)	
	DD282			2(4)2, 5(5)3(6)5(10)10(20) 20(40)30(60)40(80)5(20)10(40)	Direct connection
Three Phases Four Wires Watt Meter	DT862-4	2	3x 380 /220	5(20)10(40)15(60)20(80)3(100)	Direct connection
	DT862-2			1.5(6)	Connection with Current Transformer
				3(6)	
	DT8			10, 25, 40, 80	Direct connection

Panel Meter

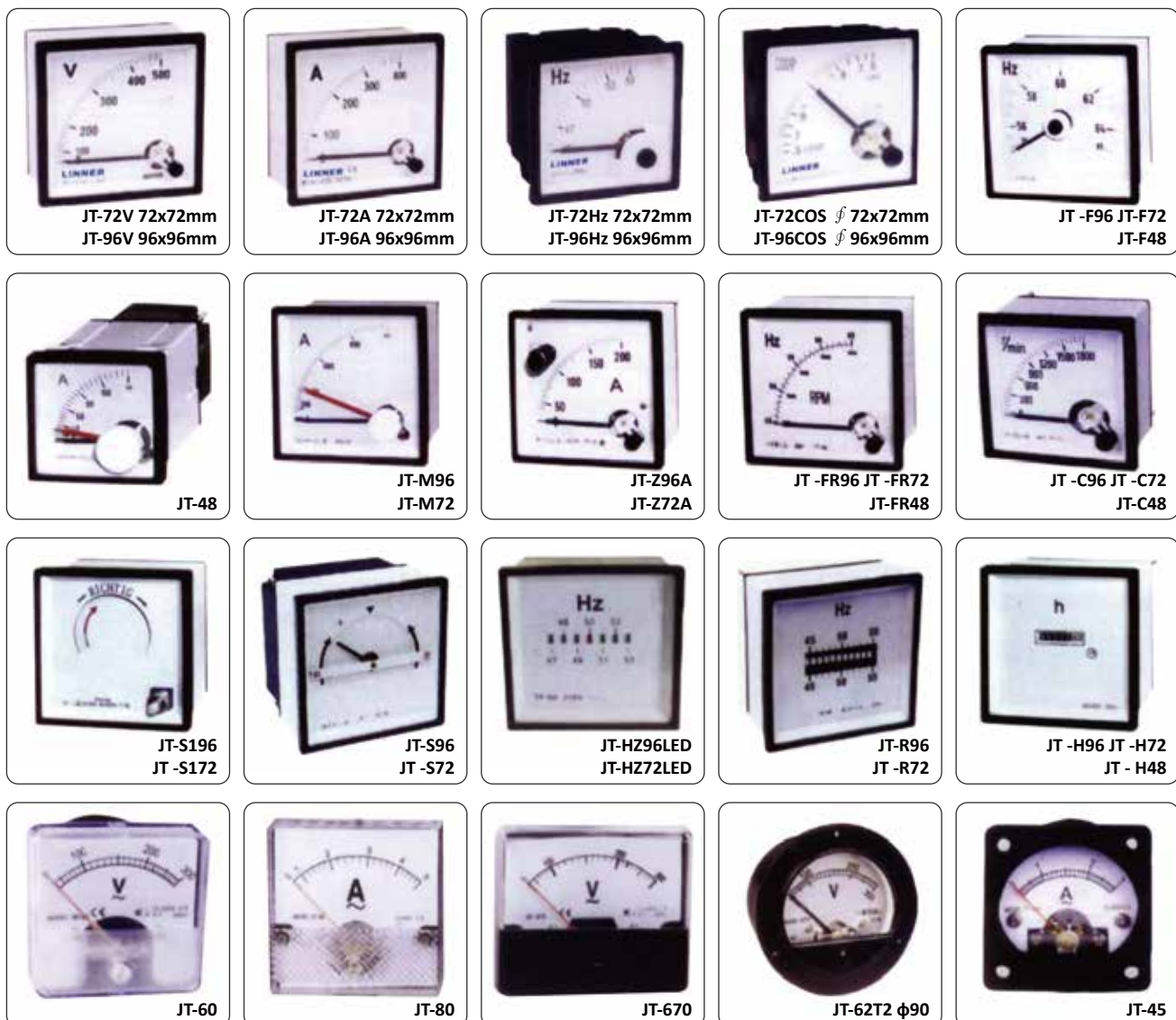
PANEL METER :



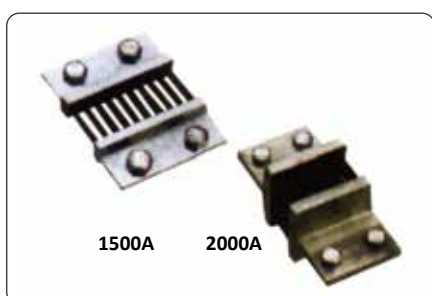
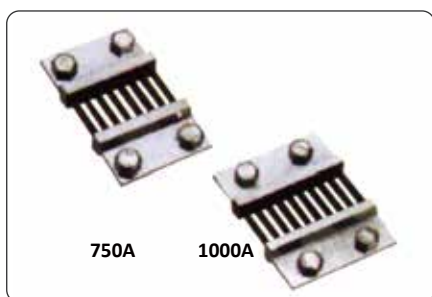
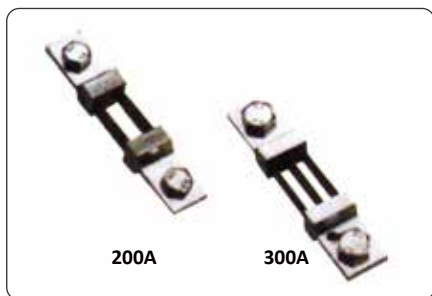
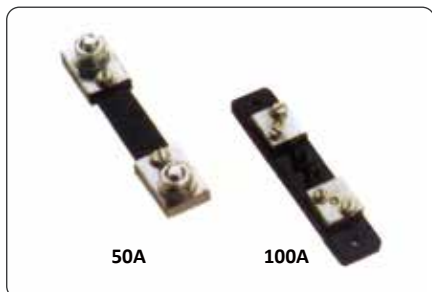
ADJUSTABLE A METER,V TMETER,HZ METER AND COS φ METER :

DP3-72A	DP3-96A	DP3-72V	DP3-96V	DP3-72Hz	DP3-96Hz	DP3-72COS φ	DP3-96COS φ	DP3-48V	DP3-48A
72x72	96x96	72x72	96x96	72x72	96x96	72x72	96x96	48x48	48x48
1-9000A		0-600AC		1-100Hz		0.5-1In/Kap		1-9000A	

PANEL METER :



FL-2 Interchangeable Shunts



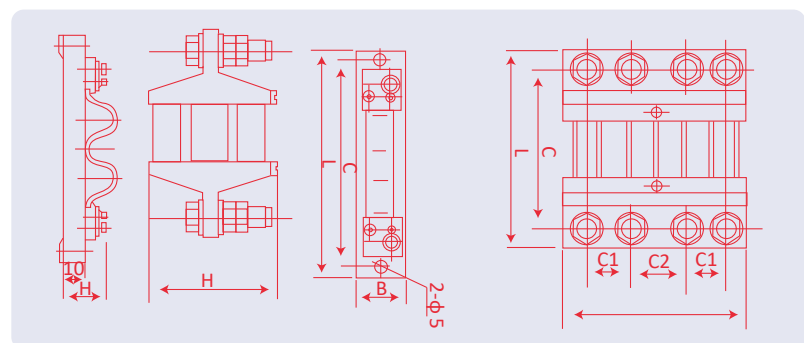
APPLICATION :

The Interchangeable shunts are used to multiply the measuring range of current of measuring instruments.

SPECIFICATION :

Accuracy Class	0.5 for 2-4000A; for 5000-1000A
Ambient conditions	temperature-40~60°C, relative humidity 95% (at 35°C)
Capacity to withstand Mechanical force	It is capable of withstanding the transport bumping at acceleration of 70m/s ² and shock frequency of 80-120times of 6hr.
Overload capacity	120% of rated current for 2hr
Voltage drop	50mV 75mV 100mV
Giving out heat when loaded	not more than 80°C under rated current 50A after temperature rise gets steady; not more than 120°C above rated current 50A.

DIMENSION :



Type	Specification	Overall Dimensions			Installation Size			Installing Screw
		L	B	H	C	C1	C2	
FL-2 75mV	1-20A	120	25		100			M5
	30-50A	120	25	16	100			M5
	75-100A	109	23	11	85			M8
	150-200A	118	22	22	85			M8
	300A	125	26	22	100			M10
	400A	128	36	22	100			M10
	500A	128	46	22	100			M10
	600A	128	56	22	100			M10
	750A	128	76	22	100	50		M10
	1000A	128	96	22	100	50		M10
	1500-200A	199	87	97	160	50		M12
	3000A	199	137	97	160	50		M12
	4000A	199	187	97	160	50		M12
	5000A	287	195	150	220	50	50	M16
	6000A	287	240	150	220	50	50	M16
	7500A	287	320	150	220	50	50	M16
	10000A	287	400	150	220	50	50	M16
	12000A	287	490	150	220	50	50	M16
	15000A	287	610	150	220	50	50	M16
	20000A	287	610	170	220	50	50	M16

MSQ/NSQ/RCT Current Transformer

MSQ CURRENT TRANSFORMER :



SPECIFICATION : WINDOWS TYPE

Bar: 30x10mm..
Conductot: $\phi 30\text{mm}$

Type	Rated current (A)	Rated Power (VA)		Weight (kg)
		Class: 0.5	Class: 1	
MSQ-30	30/5	-	1	0.4
	40/5	-	1	0.4
	50/5	-	1	0.4
	60/5	-	1	0.4
	75/5	1	1.5	0.4
	80/5	1.5	2.5	0.4
	100/5	2.5	5	0.4
	150/5	5-10	5-10	0.4
	200/5	5-10	5-10	0.4
	250/5	5-10	5-10	0.4
	300/5	5-10	5-10	0.4



WINDOWS TYPE

Bar: 40x10mm..
Conductot: $\phi 30\text{mm}$

Type	Rated current (A)	Rated Power (VA)		Weight (kg)
		Class: 0.5	Class: 1	
MSQ-40	100/5	2.5	2.5	0.38
	150/5	3	5	0.38
	200/5	5	5-10	0.38
	250/5	5-10	5-10	0.38
	300/5	5-10	5-10	0.38
	400/5	5-10	5-10	0.38
	500/5	5-10	5-10	0.38

NSQ CURRENT TRANSFORMER :



SPECIFICATION :

Model	Primary/Secondary	Busbar Hole Dimension	Rated Burden (VA)	Class	Rated Voltage	Rated Frequency
NSQ-30	30/5A-300/5A	30x10mm	2.5-5	0.5/1.0	0.72	50/60HZ
NSQ-35	50/5A-400/5A	35x10mm	5	0.5/1.0	0.72	50/60HZ
NSQ-40	100/5A-600/5A	45x10mm	10	0.5/1.0	0.72	50/60HZ
NSQ-60	600/5A-6000/5A	60x10mm	15	0.5/1.0	0.72	50/60HZ
NSQ-100	800/5A-3000/5A	100x10mm	15	0.5/1.0	0.72	50/60HZ

RCT CURRENT TRANSFORMER :



SPECIFICATION :

RCT-32	30A/5 40A/5 50A/5 60A /5 80A/5 100A/5 120A/5 150A/5 200A/5 250A/5 300A/5
RCT-60	300A/5 400A/5 500A/5 600A /5 800A/5 1000A/5 1200A/5
RCT-90	1000A/5 1200A/5 1500A/5 1600A /5 2000A/5
RCT-110	2000A/5 2500A/5 3000A/5 4000A /5

LE1-D Magnetic Starter

LE1-D MAGNETIC STARTER :



APPLICATION :

LE1-D magnetic starter is mainly applied to circuit of AC 50 or 60Hz, voltage up to 550V for far distance making and breaking circuit and frequently starting and controlling motor. It has the features of small volume, light weight, low power consumption, high efficiency, safe and reliable performance, etc.

SPECIFICATIONS :

Maximum Power AC3 Duty (kW)						Rated Current (A)	Type of Enclosure	Code Number		Suitable Thermal Relay (A)
220V 230V	380V 400V	415V	440V	500V	660V 690V			LL (long life)	NL(3) (normal life)	
2.2	4	4	4	5.5	5.5	9	IP42 IP65	LE1 D094 .. LE1 D093 ..	- -	LR2 D1312 LR2 D1314
3	5.5	5.5	5.5	7.5	7.5	12	IP42 IP55	LE1 D124 .. LE1 D123 ..	LE1 D094 .. LE1 D093 ..	LR2D1316
4	7.5	9	9	10	10	18	IP42 IP65	LE1 D188 .. LE1 D185 ..	LE1 D124 .. LE1 D123 ..	LR2 D1321
5.5	11	11	11	5	15	25	IP42 IP55	LE1 D258.. LE1 D255..	LE1 D188 .. LE1 D185 ..	LR2 D1322 LR2 D2353
7.5	15	15	15	18.5	18.5	32	IP55	LE1 D325 ..	LE1 D225 ..	LR2 D2355
11	18.5	22	22	22	30	40	IP55	LE1 D405 ..	LE1 D325 ..	LR2 D3353 LR2 D3355
15	22	25	30	30	33	50	IP55	LE1 D505 ..	LE1 D405 ..	LR2 D3357 LR2 D3359
18.5	30	37	37	37	37	65	IP55	LE1 D655 ..	LE1 D505 ..	LR2D3361
22	37	45	45	55	45	80	IP55	LE1 D805 ..	LE1 D655 ..	LR2D3363 LR2 D3365
25	45	45	45	55	45	95	IP55	LE1 D955 ..	LE1 D805 ..	LR2 D3365

Enclosure	LE1-D09 end D12	Double insulated,protected to IP 42 (3) or to IP 659(4)
	LE1-D18 and D25	Double insulated,protected to IP 427 (3) or to IP 557(4)
	LE1-D32 ... D95	Metal, IP 55 to IP 559
Control (2 pushbuttons mounted on enclosure cover)	LE1-D09 ... D95	1 green Start button 'I' 1 red Stop/Reset button 'O'
Connections	LE1-D09 ... D95	Pre-wired power and control circuit connections

STANDARD CONTROL CIRCUIT VOLTAGES :

Volts	24	42	48	110	220/230	230	240	380/400	400	415	440
50/60Hz	B7	D7	E7	F7	M7	P7	U7	Q7	V7	N7	R7

CJX2 (LC1-D) AC Contactor

CJX2 (LC1-D) AC CONTACTOR :



APPLICATION :

CJX2 series AC Contactor is suitable for using on the circuits the rated voltage up to 660V AC 50Hz or 60Hz, rated current up to 95A, for making & breaking, frequently starting & controlling the AC motor. Combined with the auxiliary contact block, timer delay & machine-interlocking device etc. it becomes the delay contactor, mechanical interlocking contactor, star-delta starter. With the thermal relay, it is combined into the electromagnetic starter. The Contactor is produced according to IEC 60947-4, GB14048-4.



STANDARD CONTROL CIRCUIT VOLTAGES :

Volts	24	42	48	110	220	230	240	380	400	415	440	500	660
50Hz	B5	D5	E5	F5	M5	P5	U5	Q5	V5	N5	R5	S5	Y5
60Hz	B6	D6	E6	F6	M6	-	U6	Q6	-	-	R6	-	-
50/60Hz	B7	D7	E7	F7	M7	P7	U7	Q7	V7	N7	R7	-	-

SPECIFICATION :

Type		CJX2-09 (LC1-D09)	CJX2-12 (LC1-D12)	CJX2-18 (LC1-D18)	CJX2-25 (LC1-D25)	CJX2-32 (LC1-D32)	CJX2-40 (LC1-D40)	CJX2-50 (LC1-D50)	CJX2-65 (LC1-D65)	CJX2-80 (LC1-D80)	CJX2-95 (LC1-D95)
Rated working current (A)	AC3	9	12	18	25	32	40	50	65	80	95
	AC4	3.5	5	7.7	8.5	12	18.5	24	28	37	44
AC3 capacity of three-phase squirrel-cage motor AC3 (KW)	220/230V	2.2	3	4	5.5	7.5	11	15	18.5	22	25
	380/400V	4	5.5	7.5	11	15	18.5	22	30	37	45
	415V	4	5.5	9	11	15	22	25	37	45	45
	440V	4	5.5	9	11	15	22	30	37	45	45
	500V	5.5	7.5	10	15	18.5	22	30	37	55	55
	660V/690V	5.5	7.5	10	15	18.5	30	33	37	45	45
Rated heat current (A)		20	20	32	40	50	60	80	80	125	125
Electrical life	AC4x10 ⁴	20	20-15	20-7	15-7	15.7	10-7	7	7-6	7-5	7-5
	AC3x10 ⁶	2	2	2	2	2	2	2	1.6	1.6	1.6
Mechanical life x 10 ⁶		20	20	20	20	20	20	50	20	10	10
Number of the contact		3P+NO									
		3P+NC									

3TH Auxiliary Contactor, CJX2 (LC1-F) AC CONTACTOR

3TH AUXILIARY CONTACTOR :



APPLICATION :

The auxiliary contactor is an auxiliary suited by controlled circuit whose voltage is 660V, AC 50/60Hz. They control all kinds of magnetic coil and amplify or transfer signal to relative controlled element simultaneously. They are characterized by high performance & long service.

SPECIFICATION :

Type	Type of contact	
	NO	NC
3TH80 40-0A	4	-
31-0A	3	1
22-0A	2	2
13- 0A	1	3
04-0A	-	4
3TH82 80-0A	8	-
71-0A	7	1
62-0A	6	2
53-0A	5	3
44-0A	4	4



Type	Rated Operational Current (A)		Controllable Motor Power AC3 (KW)
	le=AC11, AC14	DC11	
110V	-	0.9	-
220V	10	0.45	2.2
380V	6	-	4
440V	-	0.25	4
660V	2	-	4

CJX2 (LC1-F) AC CONTACTOR :



APPLICATION :

CJX2 series AC Contactor is applicable in the circuit rated voltage up to 1000V AC 50Hz or 60Hz, rated current up to 780A, for long distance breaking circuit and frequently starting or controlling the motor. It also can be used for the control of distributing circuits of rated current from 200 to 1600A.

SPECIFICATION :

Type		CJX2 LC1-F115	CJX2 LC1-F150	CJX2 LC1-F185	CJX2 LC1-F225	CJX2 LC1-F265	CJX2 LC1-F330	CJX2 LC1-F400	CJX2 LC1-F500	CJX2 LC1-F630	CJX2 LC1-F780
Rated operation current(A)	AC-3	115	150	185	225	265	330	400	500	630	780
	AC-1	200	250	275	315	350	400	500	700	1000	1600
Standard power ratings of 3-phase motors AC-3(KW)	220V/230V	30	40	55	63	75	100	110	147	200	220
	380V/400V	55	75	90	110	132	160	200	250	335	400
	415V	59	80	100	110	140	180	200	280	375	425
	440V	59	80	100	110	140	200	250	295	400	425
	500V	75	90	110	129	160	200	257	355	400	450
	660V/690V	80	100	110	129	160	200	280	335	450	475
	1000V	65	65	100	100	147	160	185	335	450	450

CJX2E (LC1-ELP1-ELC2-E) Contactor

CJX2E (LC1-E LP1-E LC2-E) CONTACTOR :



CJX2E-06(LC1-E)



CJX2E-06Z(LP1-E)



CJX2E-09N(LC2-E)

APPLICATION :

For motor control, from 6 to 9A (AC-3)

For the control of distribution circuits, up to 16A (AC-1)

Control circuit: A.C or D.C. and it is suitable for using in LC1-E/LP1-E/LC2-E

SPECIFICATION :

Standard Power Rating of 3-phase Motors 50/60Hz in Category AC-3						Rated operating Current		Rated nonconductive voltage	In stan-taneous auxiliary contacts	Reference
220V	380V	660V				AC-3	AC-1			
230V	400V	415V	440V	500V	690V	upto 0≤40°C				
KW	KW	KW	KW	KW	KW	A	A	V	Contacts	
1.5	2.2	2.2	2.2	3	3	6	16	690	1- -1	CJX2E-0610/N/Z
2.2	4	4	4	4	4	9	16	690	1- -1	CJX2E-0910/N/Z
										CJX2E-0901/N/Z

CJX2K (LC1-K LP1-K LC2-K) CONTACTOR :



CJX2K-0910 (LC1-K)



CJX2K-091 OZ (LP1-K)

APPLICATION :

For motor control, from 6 to 12A (AC-3)

For the control of distribution circuits, up to 20A(AC-1)

Control circuit: A,C or D.C. and It is suitable for using in LC1-K/LC2-K/LP1-K/LP2-K

SPECIFICATION :

Standard Power Rating of 3-phase Motors 50/60Hz in Category AC-3						Rated Operating Current		Rated nonconductive voltage	In stan-taneous auxiliary contacts	Reference
220V	380V	660V				AC-3	AC-1			
230V	400V	415V	440V	500V	690V	upto 0≤40°C				
KW	KW	KW	KW	KW	KW	A	A	V	Contacts	
1.5	2.2	2.2	3	3	3	6	20	690	1- -1	CJX2K-0610/N/Z/ZN
2.2	4	4	4	4	4	9	20	690	1- -1	CJX2K-0601/N/Z/ZN
3	5.5	5.5	4	4	4	12	20	690	1- -1	CJX2K-0910/N/Z/ZN
										CJX2K-0901/N/Z/ZN
										CJX2K-1210/N/Z/ZN
										CJX2K-1201/N/Z/ZN

LYGMC SERIES AIR CONDITIONER AC CONTACTOR :



LYGMC 9-22



LYGMC32-40



LYGMC 50-85



LYGMC 100-125

Type		LYGMC-9	LYGMC-12	LYGMC-18	LYGMC-22	LYGMC-32	LYGMC-40	LYGMC-50	LYGMC-65	LYGMC-75	LYGMC-85
Ac1 Duty		20A	20A	25A	32A	50A	60A	80A	100A	110A	135A
IEC-60947 Ac3 Duty	220-240V	2.5KW11A	3.5kW13A	4.5kW18A	5.5kW22A	7.5kW32A	11kW40A	15kW55A	18.5kW65A	22kW75A	25kW85A
	380-440V	4KW9A	5.5kW12A	7.5kW18A	11kW22A	15kW32A	18.5kW40A	22kW50A	30kW65A	37kW75A	45kW85A
	500-550V	4KW7A	7.5kW12A	7.5kW13A	15kW22A	18.5kW28A	22kW32A	30kW43A	37kW60A	45kW64A	45kW75A
	690V	4KW5A	7.5kW9A	7.5kW9A	15kW18A	18.5kW21A	22k.W25A	30kW33A	37kW47A	45kW47A	45kW52A
Continuous Current (th)		20A	25A	30A	32A	45A	50A	70A	80A	90A	100A
ULAC Motor Single Phase	115V	0.5HP	0.5HP	1HP	2HP	2HP	3HP	3HP	5HP	5HP	7.5HP
	230V	1HP	2HP	3HP	3HP	5HP	5HP	7.5HP	10HP	15HP	15HP
Three Phase	200V	2HP	3HP	5HP	7HP	7.5HP	10HP	10HP	15HP	15HP	15HP
	230V	3H	3HP	5HP	7.5HP	10HP	10HP	15HP	2HP	25HP	30HP
	460V	5HP	7.5HP	10HP	10HP	20HP	25HP	30HP	40HP	50HP	50HP
	575V	7.5HP	10HP	15HP	15HP	20HP	25HP	30HP	40HP	50HP	50HP

3TB, 3TF AC Contactor

3TB, 3TF AC CONTACTOR :



APPLICATION :

The contactor is suitable for using in the circuits the rated voltage up to 660V AC 50Hz or 60Hz, rated current 630A, for making & breaking and for frequently starting and controlling the motor. After combined with the mechanical interlocking device, it becomes 3TD Series convertible contactor for controlling, starting, breaking and reversing of the motor. The products comply with IEC60974-4 & GB14048-4

SPECIFICATION :

Type	Rated Thermal Current (A)	Current at 380V(A)	Rated Current at 660V(A)	The Power of Controlled Motor (KW)		Type of Auxiliary Contact
				380V(A)	660V(A)	
3TB40	22	9	7.2	4	5.5	1NO 1NC 1NO+1NC 2NO+2NC
3TB41	22	12	9.5	5.5	7.5	
3TB42	35	16	13.5	7.5	11	
3TB43	35	22	13.5	11	11	
3TB44	55	32	18	15	15	2NO+2NC



LR2 Thermal Relay

LR2 THERMAL RELAY :



LR2-D13



LR2-D23



LR2-D33 32-80A



LR2-D33 80-93A

APPLICATION :

This series of thermal relay can be used in the circuit of 50Hz or 60Hz, rated insulation voltage 660V, rated current 0.1-93A for protecting the phase break when the electric motor is overload. The relay has different mechanism and temperature compensation and it can be plugged in LC1-D series AC Contactor. At present, it is the most advanced thermal relay in the world.

CHARACTERISTICS :

- fundamental Parameter of the Main Circuit
 - Rated Insulation Voltage 660V.
 - Rated Working Current 25, 36, 93A separately
 - The regulator seal of rated setting current.
 - Current of the thermal component (see list 1)
- Auxiliary Circuit
 - There are one pair of N/O and N/C contract with electric insulation
 - Rated insulation Voltage 500V.
 - Rated frequency 50-60Hz.
 - Use group, rated working voltage, appoint thermal current and rated current.

SPECIFICATION :

Type	Rated Working Current of Thermal Relay		Thermal Component	
			Rated Current	Regular or scale of Rated Current (A)
LR2-D13	25	LR2-D1301	0.16	0.10-0.16
		1302	0.25	0.16-0.25
		1303	0.40	0.25-0.40
		1304	0.63	0.40-0.63
		1305	1.0	0.63-1.0
		1306	1.6	1.0-1.6
		13X6	2.0	1.25-2.0
		1307	2.5	1.6-2.5
		1308	4.0	2.5-4.0
		1310	6.0	4.0- 6.0
		1312	8.0	5.5-8.0
		1314	10.0	7.0-10.0
		1316	13.0	9.0-13.0
		1321	18.0	12.0-18.0
		1322	25.0	17.0-25.0
LR2-D23	36	LR2-D2353	32	23.0-32.0
		2355	36	28.0-36.0
LR2-D33	93	LR2-D3353	32	23.0-32.0
		3355	40	30.0-40.0
		3357	50	37.0-50.0
		3359	65	48.0-65.0
		3361	70	55.0-70.0
		3363	80	63.0-80.0
		3365	93	80.0-93.0

Use Group	ACLL			DCLL	
Rated working voltage V	220	380	500	220	110
Rated working current A	4	3	2	0.1	0.22
Appointed thermal current A			5		

3UA Thermal Relay, Solid State Relay, MK General Relay

3UA THERMAL RELAY :



APPLICATION :

3UA thermal relay is suitable for using in power system with AC 50Hz, rate operation voltage up to 660V and 1000V, in main circuit, current from 0.1A to 30A. It is used to protect AC three-phase asynchronous motor against overload and open-phase.

The current setting value can be regulated and the setting current values of many thermal elements are intercrossing overlapping arrangement. for easy selecting by the customers from -25°C to +55°C air temperature as the products have temperature compensating. The relays have the test push-button for breaking NC contacts, the operating indications and free trip characteristic. The items conform to IEC60947-4.

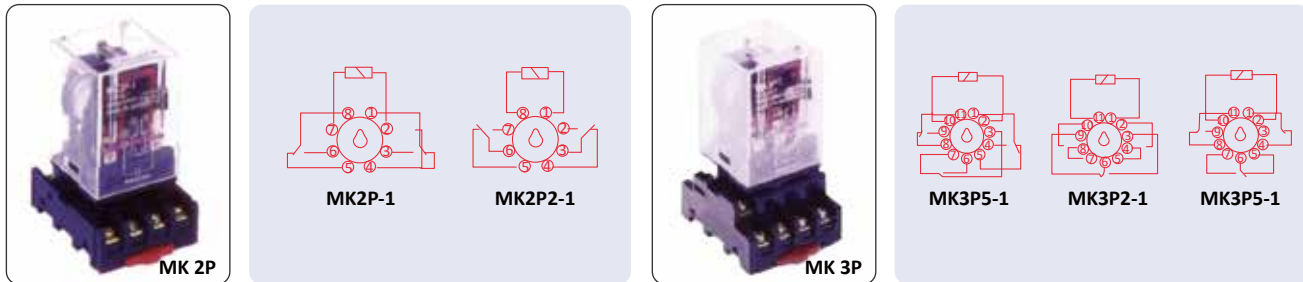
SPECIFICATION :

Type	Rated Operating Current (A)	Rated Insulation Voltage (A)	Current Setting Range (A)
3UA50	12.5	660	0.1~0.16, 0.16~0.25, 0.25~4, 0.32~0.63, 0.63~0.1, 0.8~1.25, 1~1.6, 1.25~2, 1.6~2.5, 2~3.2, 2.5~4, 3.2~5, 4~6.3, 5~8, 6.3~10, 8~12.5
3UA52	25	660	0.1~0.16, 0.16~0.25, 0.25~0.4, 0.4~0.63, 0.63~1, 0.8~1.25, 1~1.6, 1.25~2, 1.6~2.5, 2~3.2, 2.5~4, 3.2~5, 4~6.3, 5~8, 6.3~10, 8~12.5, 10~16, 12.5~20, 16~25
3UA54	32	660	4~6.3, 6.3~10, 10~16, 12.5~20, 16~25, 20~32
3UA58	80	1000	16~25, 20~32, 25~40, 32~50, 40~57, 50~63, 57~70, 63~80
3UA59	63	600	0.1~0.16, 0.16~0.25, 0.25~0.4, 0.4~0.63, 0.63~1, 0.8~1.25, 1~1.6, 1.25~2, 1.6~2.5, 2~3.2, 2.5~4, 3.2~5, 4~6.3, 5~8, 6.3~10, 8~12.5, 10~16, 12.5~20, 16~25, 20~32, 25~40, 32~45, 40~57, 50~63
3UA62	180	660	55~80, 63~90, 80~110, 90~120, 110~135, 120~150, 135~160, 150~180
3UA66	400	1000	80~125, 125~200, 180~250, 200~320, 250~400
3UA68	630	1000	320~500, 400~630

SOLID STATE RELAY :

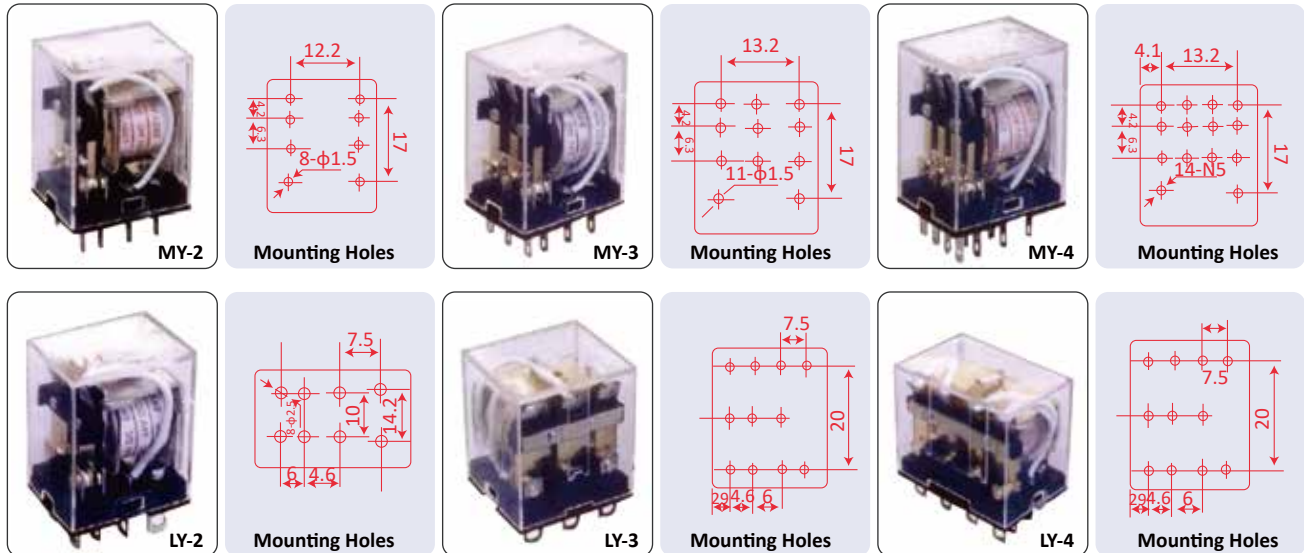


MK GENERAL RELAY :



MY, LY General Relay

MY, LY GENERAL RELAY :



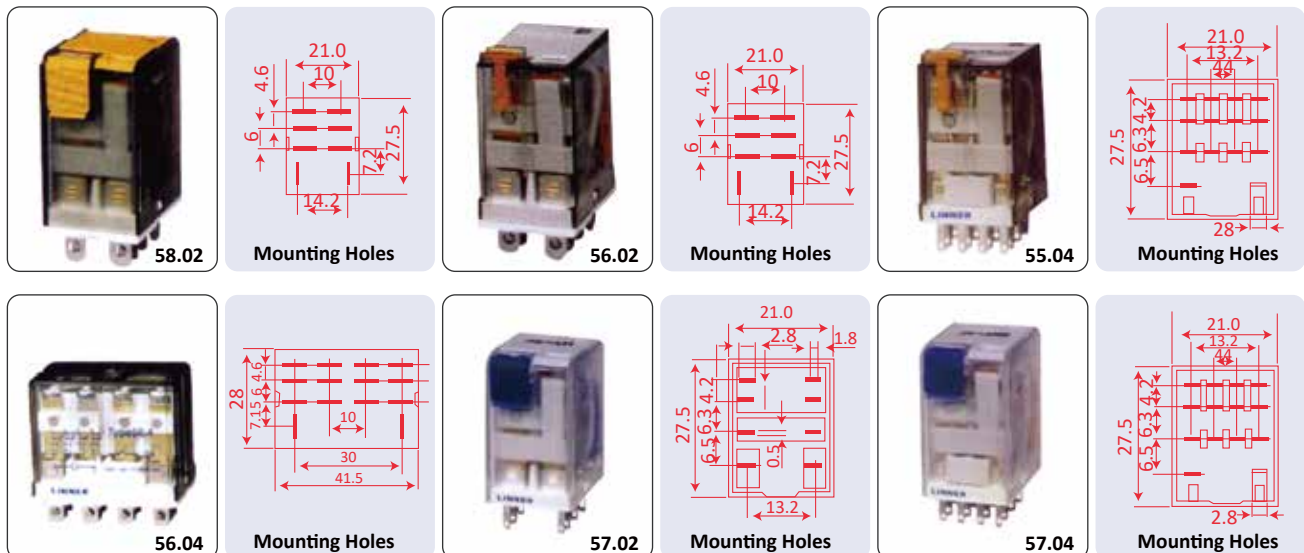
APPLICATION :

MY LY general relay is widely suitable for DC or AC circuit switching in various automation devices, process control and communication equipment's etc. It has characteristic of stable performance, high reliability, capable of making and breaking relatively large load current, easy in maintenance and in spection as well as long service life. The plug-in base of the relay is suitable for use with standard 8, 11 & 14 pins socket. They cover the rated current from 3A to 15A.

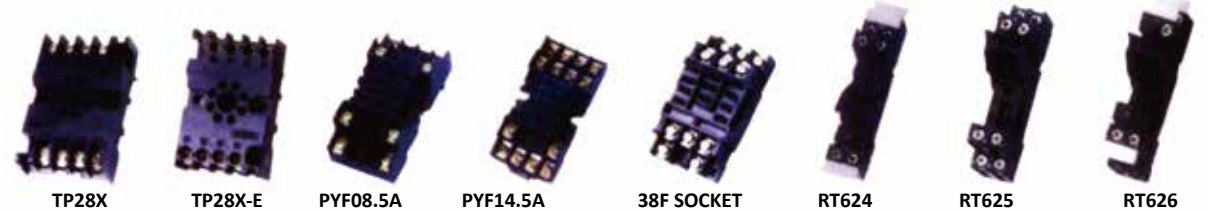
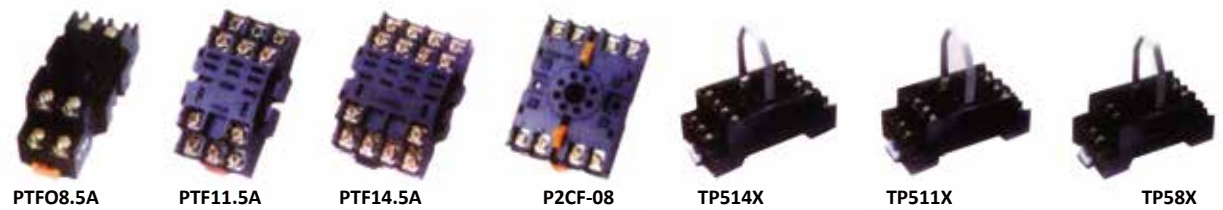
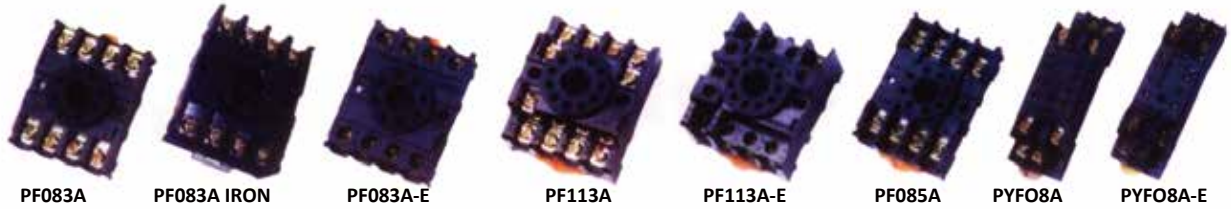
SPECIFICATION :

Model	Contact form	Rated Thermal Current (A)	Coil Power	Coil Voltage (V)	
				DC	AC
MY-2	2	5	DC $\leq$ 0.9W AC $\leq$ 1.2W	6	6
MY-3	3	5		12	12
MY- 4	4	3		24	24
LY- 2	2	15	DC $\leq$ 0.9W AC $\leq$ 1.2W	36	36
LY-3	3	10		48	48
LY-4	4	7.5		110	220

GENERAL RELAY :

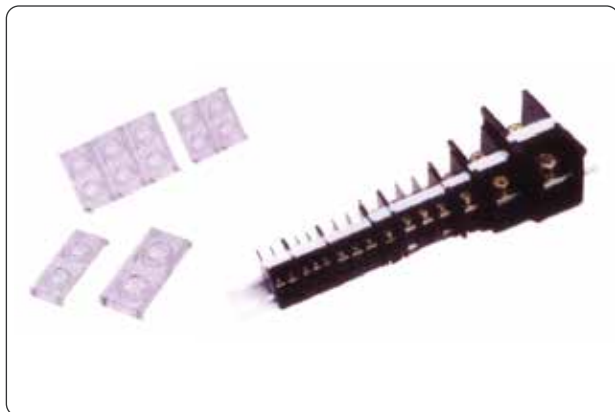


Relay Socket



IN Terminal Block, TA Terminal Block

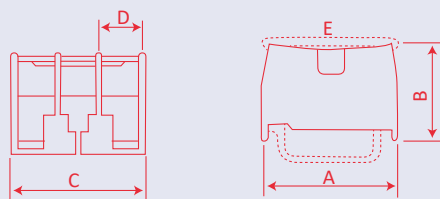
IN TERMINAL BLOCK :



SUITABLE RANGE :

This Terminal Block can be mounted to the rail by
Single Finger Peration

Rated Voltage : 600V
Dielectric Strength : 2500v.1min
Insulation Resistance : 100mwmin



SPECIFICATION :

Model	Ratings	Dimensions (mm)					PACK
		A	B	C	D	E	
IN12BK-C	2P 2mm ² max 20A	40	30	20	8	37	30PCS
IN13SBK-C	3P 2mm ² max 20A	40	30	25	6.7	37	20PCS
IN20BK-C	3P 3.5mm ² max 30A	40	30	35	9.7	37	20PCS
IN30BK-C	3P 8mm ² max 50A	45	34	43	12.2	48	10PCS
IN411S-C	1P 14mm ² max 60A	45	34	15.5	13.5	48	30PCS
IN60BK-C	1P 22mm ² max 90A	56	38	22	17	56	10PCS
IN100K-C	1P 38mm ² max 130A	75	45	32	24	73.5	6PCS
IN200K-C	1P 100mm ² max 240A	86	57	39	31	86.5	3PCS
IN400K-C	1P 200mm ² max 370A	125	73	62	52.3	126	2PCS

TA TERMINAL BLOCK :

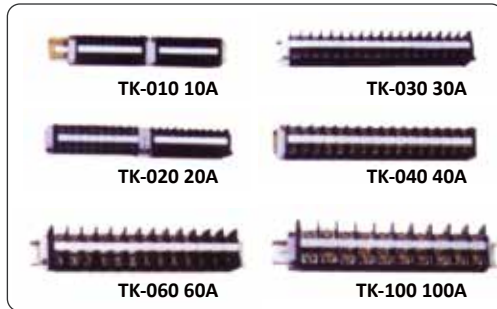


SPECIFICATION :

Type	Ratings	Number of Poles	Dimensions (mm)			
			A	B	C	D
TA-2003	20A	3	59.3	34	21	17
TA-2004		4	71.4	34	21	17
TA-2006		6	95.5	34	21	17
TA-2008		8	120	34	21	17
TA-2010		10	144.5	34	21	17
TA-2012		12	167.5	34	21	17

TK Terminal Block, SA Terminal Block, JXB Terminal block...

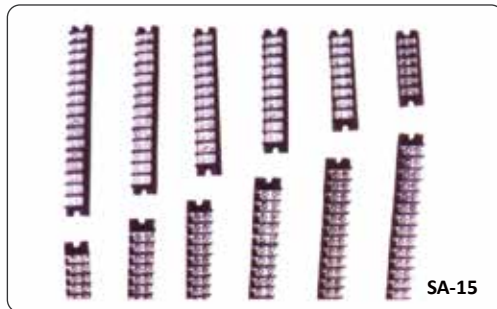
TK TERMINAL BLOCK :



SPECIFICATION :

Type	Ratings	Dimensions (mm)							Packing
		A	B	C	D	E	F	G	
TK-010	10A	40.5	38	34.5	27.5	8	7	M3	200
TK-020	20A	40.5	38	34.5	27.5	9.5	8.5	M3.5	200
TK- 030	30A	40.5	38	36.5	29	12	9.8	M4	200
TK-040	40A	40.5	38	36.5	29	14	11.7	M4	180
TK-060	60A	48	42	41.5	35	15.5	13	M5	50
TK-100	100A	53	42	41.5	35	19.5	17	M6	

SA TERMINAL BLOCK :



SPECIFICATION :

No. of Poles	1	2	3	4	5	6	7	8	9	10	11	12	13
L1	19	28.5	38	47.5	57	66.5	76	85.5	95	104.5	114	123.5	133
L	26.2	35.7	45.2	54.7	64.2	73.7	83.2	92.7	102.2	111.7	121.2	133.7	140.2

No. of Poles	14	15	16	17	18	19	20	21	22	23	24	25	26
L1	142.5	152	161.5	171	180.5	190	199.5	209	218.5	228	237.5	247	256.5
L	149.7	159.2	168.7	178.2	187.7	197.2	206.7	216.3	225.7	235.2	244.7	254.2	263.7

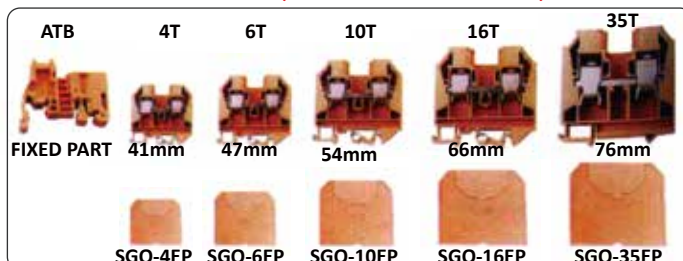
JXB TERMINAL BLOCK :



SPECIFICATION :

Terminal Connector	JXB-2.5/35	JXB-4/35	JXB-6/35	JXB-10/35	JXB-16/35	JXB-35/35	JXB-50/35	JXB-70/35	JXB-95/35	JXB-150/35
Earth Connector	JB-2.5/35	JB-4/35	JB-6/35	JB-10/35	JB-16/35	JB-35/35				

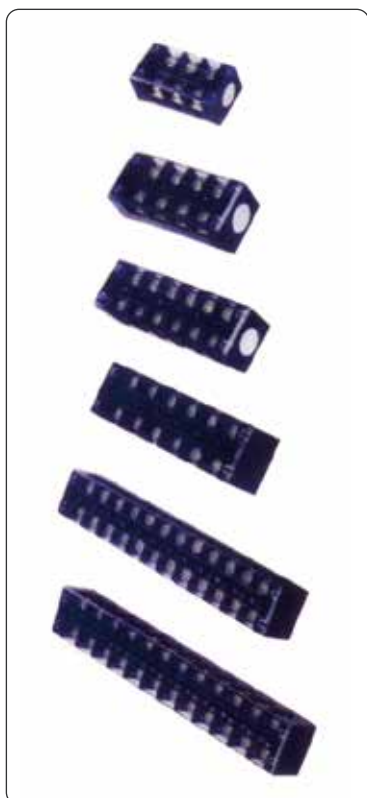
ATB TERMINAL BLOCK (DIN RAIL INSTALLING) :



6mm Pitch	8mm Pitch	10mm Pitch	12mm Pitch	16mm Pitch
750V~900V 4mm ² 340Amp	750V~900V 6mm ² 44Amp	750V~900V 10mm ² 61Amp	750V~900V 16mm ² 82Amp	750V~900V 35mm ² 135Amp

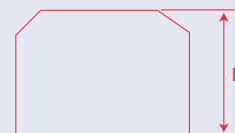
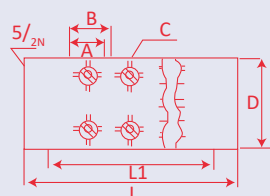
TB Terminal Block, TC Terminal Block

TB TERMINAL BLOCK :

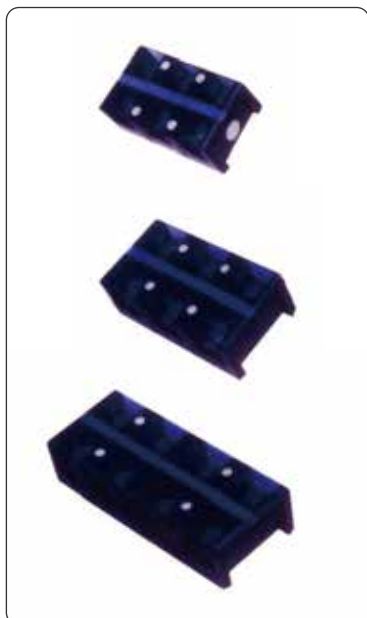


SPECIFICATION :

Type	Current	No. of Poles	Dimensions (mm)							
			L	L1	A	B	C	D	E	
TB- 1503	15A	3	46	36.5	7.5	9	M3	22	17	
TB-1504		4	55	45.5	7.5	9	M3	22	17	
TB-1506		6	73	63.5	7.5	9	M3	22	17	
TB- 1512		12	127	118	7.5	9	M3	22	17	
TB-2503	25A	3	50	40	10.5	12	M4	30	20	
TB-2504		4	62.5	57	10.5	12	M4	30	20	
TB- 2506		6	91	81.5	10.5	12	M4	30	20	
TB- 2512		12	163	153	10.5	12	M4	30	20	
TB- 3503	35A	3	50	40	10.5	12	M4	30	20	
TB- 3504		4	62.5	57	10.5	12	M4	30	20	
TB- 3506		6	91	81.5	10.5	12	M4	30	20	
TB- 3512		12	163	153	10.5	12	M4	30	20	
TB- 4503	45A	3	70	60.5	15	17	M5	38	23.5	
TB- 4504		4	86	75.5	15	17	M5	38	23.5	
TB-4506		6	120.5	110	15	17	M5	38	23.5	
TB- 6003	60A	3	70.5	65.5	15.5	18	M6	38	31	
TB- 6004		4	93.5	82.5	15.5	18	M6	38	31	
TB-6006		6	129	118	15.5	18	M6	38	31	
TB- 1003	100A	3	86.5	75.5	22	20	M6	43.5	35	
TB- 1004		4	108	96	22	20	M6	43.5	35	
TB- 1006		6	153	140	22	20	M6	43.5	35	

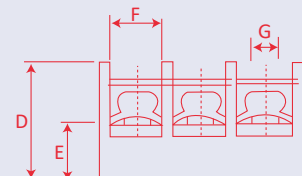
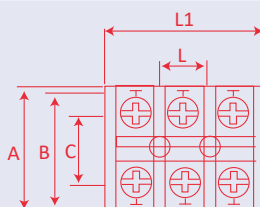


TC TERMINAL BLOCK :



SPECIFICATION :

TC-603	60A	3	28.5	86.5	38	42.7	25.5	31	15	17	M6
TC - 604		4	28.5	115	38	42.7	25.5	31	15	17	M6
TC- 1003	100A	3	34.5	113.5	46.5	55.2	28	36.3	17.3	22.5	M6
TC- 1004		4	34.5	137.5	46.5	55.2	28	36.3	17.3	22.5	M6
TC- 1503	150A	3	38.5	115	57.2	67	30.5	40	19.8	25.3	M8
TC- 1504		4	38.5	153	57.2	67	30.5	40	19.8	25.3	M8
TC- 2003	200A	3	44.5	133	63	72.1	34	44.4	23	28.3	M8
TC-2004		4	44.5	177	63	72.1	34	44.4	23	28.3	M8
TC-3003	300A	3	55	164	78	89.4	47.5	50.6	27	30	M10
TC- 3004		4	55	218	78	89.4	47.5	50.6	27	30	M10
TC-4003	400A	3	55	164	78	89.4	47.5	50.6	27	36	M10
TC- 4004		4	55	218	78	89.4	47.5	50.6	27	36	M10



Din Rail

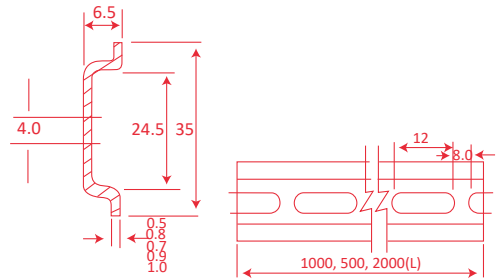
Common Type Steel DIN Rail



C45 TYPE DIN RAIL (IRON)

Model : FE-107
Length(L) : 1000-500

Thick	Weight
0.5	32
0.6	38
0.7	43
0.8	52
0.9	58
1.0	62



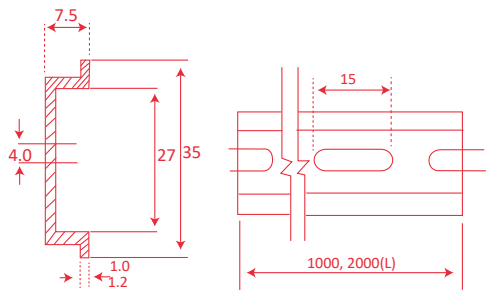
Common Type AL DIN Rail



C45 TYPE DIN RAIL (AL)

Model : FE-108
Length(L) : 1000

Thick
0.8
0.9
1.0
1.2
1.3
1.5



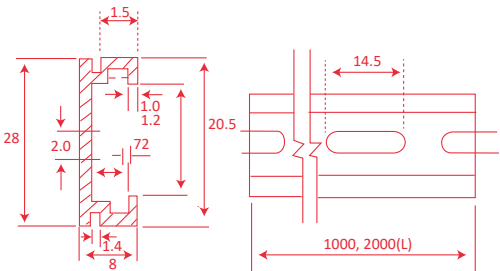
Common Type Steel DIN Rail



TD DIN RAIL (AL)

Model : FH-110
Length(L) : 1000

Thick
0.8
1.0
1.2



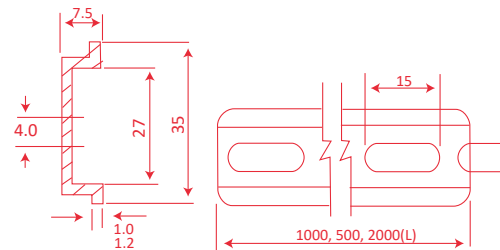
International Type DIN Rail



C45 DIN RAIL (IRON)

Model : EA-101
Length(L) : 1000-500

Thick	Weight
1.0	67
1.2	80



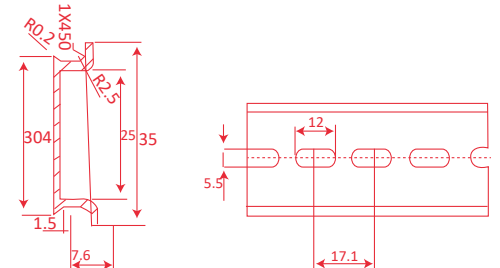
International Type DIN Rail



C45 DIN RAIL (High strength Electric melt aluminium alloy)

Model : EA-104
Length(L) : 1000

Thick
1.5
1.4
1.2



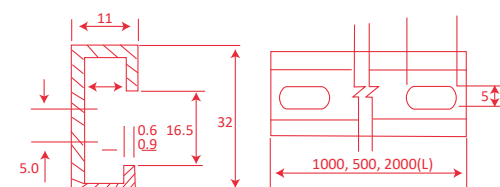
Common Type Steel DIN Rail



B1 DIN RAIL (IRON)

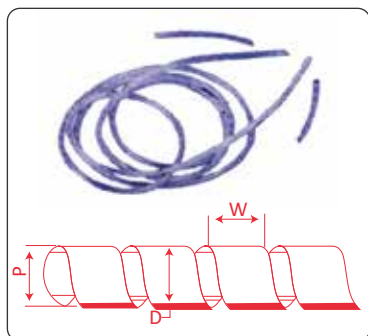
Model : FH-105
Length(L) : 1000

Thick
0.8
1.0



Spiral Wrapping Band, Cable Marker, PVC Insulating Tape...

SPIRAL WRAPPING BAND :



SPECIFICATION :

Material : Made from PE

Usage : Fix one end with safety belt first. then circle the wired clock wise to make them tight.

Application: A protective wrapping for the electric wires and for neat lock.

Item No.	P(mm)	D(mm)	W(mm)	Wrapping Range(mm)	Weight(Rol)	Packing
SWB-06	4	6	7.0	4-50	120g	10M-ROLL
SWB-08	6	8	10.8	6-60	170g	
SWB-10	7.5	10	11.4	7.5-60	210g	
SWB-12	9	12	13.9	9-65	300g	
SWB-15	12	15	15.0	12-75	450g	
SWB-19	15	19	18.2	15-100	650g	
SWB-24	20	24	19.6	20-130	1100g	

CABLE MARKER :



SPECIFICATION :

Material : Made from PVC, oil and erosion control. Great resisting up to 85°C.

Struction : The inside is hollow, but elastic. The diameter can change with the needed wire.

Item No.	Approx wire		Markers	Packing
	S	mm		
EC-0	0.75~1.5	2.0~3.2	0~9 A~Z +~Λ	1000PCS/ROLL
EC-1	0.75~3.5	3.0~4.2		1000PCS/ROLL
EC-2	3.5~8.0	3.6~7.4		500PCS/ROLL
EC-3	5.2~10.0	5.2~10.0		250PCS/ROLL

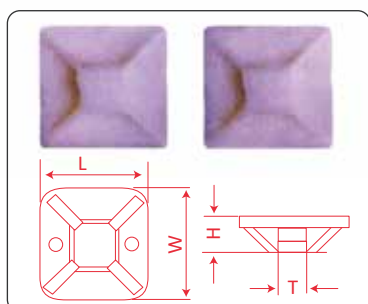
SPECIFICATION :

Size	Packing
0.13mmx19mmx6yds	Glue adhesion 3.1n/cm. Tensile strength 20n/cm.
0.13mm x19mmx8yds	
0.13mmx19mmx10yds	
0.13mmx19mmx20yds	
0.13mmx19mmx10m	
0.13mmx19mmx20m	
0.13mmx19mmx25m	
0.13mmx19mmx30m	Breakdown voltage rate 6500V, Applicable temperature range- 10°C~80°C
0.18mmx19mmx25m	
0.18mmx19mmx30m	
0.20mmx19mmx25m	
0.20mmx19mmx30m	

PVC INSULATING TAPE :



SELF-ADHESIVE CABLE TIE BASE :



SPECIFICATION :

Matrtial : Nylon 66.UL 94V-2 certified, the back side with double coated foam tape.

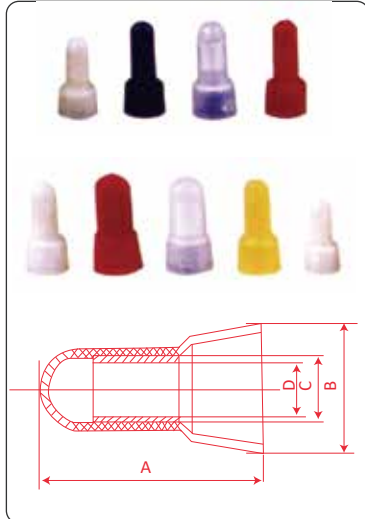
Usage : Peel the back paper and stick on the surface.Bundle the wire with cable ties.

Application : For bundling wires etc. Convenient and saves time. Use on places where you cannot drill hole.

Item No.	LxW	H(mm)	T(mm)	Screw Hole(mm)	Packing
SP-20	20x20	6.1	5.0	2.9	100
SP-25	25x25	7.5	6.2	3.5	
SP-30	30x30	8.7	6.4	4.5	
SP-40	40x40	6.4	10.8	/	
AAM-1	19x19	4.6	4.4	/	
AAM-2	28x28	6.4	5.4	5.5	

End Wire Connector

P6 END WIRE CONNECTOR :



APPLICATION :

Material : Nylon 66, 94V-2 with UL approval

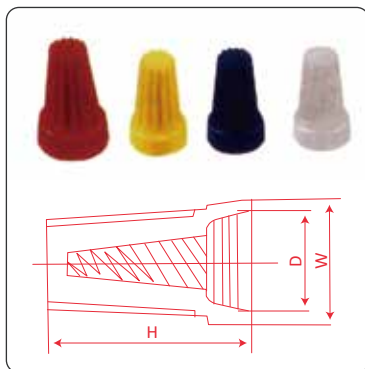
Usage : Peel the coat of wire, then insert to tube, use pincers to fix them

Feature : Nylon shell, long copper tube, easy to conduct electricity and hole were tight.

SPECIFICATION :

Item No.	A(mm)	W		D(mm)	Suitable Wires	
		B(mm)	C(mm)		mm ²	AWG
P6-φ3	17.8	7.2	3.6	2.5	1.25	22-16
P6-φ4	21.0	8.2	4.0	2.9	2	16-14
P6-φ5	22.5	9.0	4.8	3.9	5.5	12-10
P6-φ6	24.2	10.0	5.6	4.5	8	8
P6-φ7	25.0	11.0	6.5	5.4	10	8-6
P6-φ8	25.6	11.8	7.5	6.0	13	6
P6-φ10	29.5	13.5	9.3	7.5	16	4

P7 SELF-SCREW SHELL END WIRE CONNECTOR :



APPLICATION :

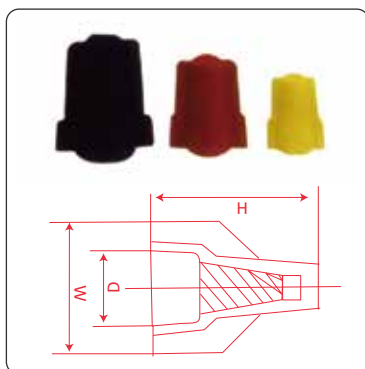
Material : Nylon 66 with spring inside

Usage : Peel wire, coat, insert the wire in then lighten.

SPECIFICATION :

Item No.	H(mm)	W(mm)	D(mm)	Suitable Wire(mm)
P7-1	15	8.7	6.5	MIN#20x1+ #22x1, MAX#16 x2
P7-2	18	10.0	7.5	MIN#20x3, MAX#16x3
P7-3	23	11.2	9.5	MIN#20x3, MAX#16x3+ #18x1
P7-4	24.2	13.6	10.8	MIN#14x1+ #18x1, MAX#14x4+ #18x1
P7-5	27.8	16.1	12.7	MIN#14x2, MAX#10x2+ #12x2

P8 DOUBLE WINGS END WIRE CONNECTOR :



APPLICATION :

Material : Nylon 66, with spring inside

Usage : Peel wire coat, insert the wire in then tighten

SPECIFICATION :

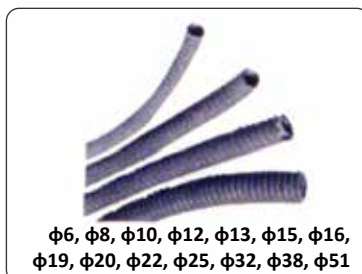
Item No.	H(mm)	W(mm)	D(mm)	Wrapping Range(mm)	Color
P8-1	22.0	19.0	9.8	MIN#18x2, MAX#12x3	Yellow
P8-2	29.0	22.0	12.5	MIN#14x2, MAX#10x4	Red

Metallic Conduit

METALLIC CONDUIT :



Surround in Plastic



φ6, φ8, φ10, φ12, φ13, φ15, φ16,
φ19, φ20, φ22, φ25, φ32, φ38, φ51



Galvanizing

PZC WIRING DUCT :



APPLICATION :

Material : Made from PVC (White), good insulation and heat resisting up to 85°C

Struction : Made up of duct bottom and lid.

Application: Used in stage, electric, air conditoning or indoors.

Feature : Solid design, especially for anti-dust and mouse.

SPECIFICATION :

Item No.	HXW(mm)	Contained Wire(1.5 ²)	Length
PZC-1015	10x15	3-5PCS	2M
PZC-1020	10x20	3-6PCS	
PZC-1025	10x25	5-10PCS	
PZC-1525	15x25	5-10PCS	
PZC- 2030	20x30	10-20PCS	
PZC-2035	20x35	15-25PCS	
PZC-2540	25x40	20-40PCS	
PZC-3050	30x50	30-50PCS	
PZC-3060	30x60	55-65PCS	
PZC-5080	50x80	180-200PCS	
PZC-50100	50x100	220-250PCS	
PZC-80100	80x100	260-350PCS	
PZC-100100	100x100	300-400PCS	

JTD TELEPHONE WIRING DUCT : APPLICATION :



Material : Made from PVC(White), good insulation and heatresisting up to 85°C

Feature : Spacious designed and the strong adhesive tape in the duct button.

SPECIFICATION :

Item No.	W1(mm)	W2(mm)	H(mm)	L(mm)
JTD-1	10.40	7.30	8.0	1M
JTD-2	14.50	11.60	8.0	
JTD-3	17.50	15.60	11.0	
JTD-4	23.50	19.50	12.0	

RTD ROUND TYPE WIRING DUCT :



APPLICATION :

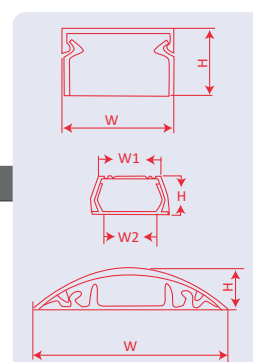
Material : High impact, rigid, self-extinguishing P.V.C.

Service Temperature : 85°C

Backed with high quality double sided tape for permanent stick

SPECIFICATION :

Item No.	W1(mm)	W2(mm)	Length	Color
RTD-1	24	8	1M	White
RTD-2	31.7	8.5		White
RTD-3	39.2	11		Grey
RTD-4	52	11.3		Green
RTD-5	63	12.5		Green
RTD-6	70	13.2		Green



Heat Shrinkable Tube, Expand Nail

HEAT SHRINKABLE TUBE :



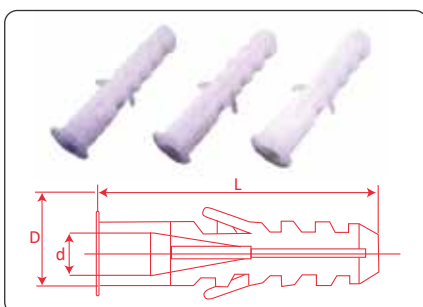
APPLICATION :

- Function :
- Wire coat and insulation.
 - Make the joint of terminal block and wire insulated.
 - Divide the colors.
 - Water-proof.
 - Protection and insulation of insitors and electrical capacitors.
- Standard Color : Black, White, Red, Blue, Yellow, Green, Brown, Grey, Orange and Purple.

SPECIFICATION :

Item No.	As Supplied		Contained Wire (mm ²)	
	ID(mm)	Thickness	ID(mm)	Thickness
RS-1	1.0	0.2±0.05	0.5	0.4±0.05
RS-1.5	1.5	0.2±0.05	0.75	0.4±0.05
RS-2	2.0	0.25±0.05	1.0	0.45±0.1
RS-2.5	2.5	0.25±0.05	1.25	0.45±0.1
RS-3	3.0	0.25±0.05	1.5	0.45±0.1
RS-3.5	3.5	0.25±0.05	1.75	0.45±0.1
RS-4	4.0	0.25±0.05	2.0	0.45±0.1
RS-5	5.0	0.35±0.05	2.5	0.55±0.1
RS-6	6.0	0.35±0.05	3.0	0.55±0.1
RS-7	7.0	0.35±0.05	3.5	0.55±0.1
RS-8	8.0	0.35±0.05	4.0	0.55±0.1
RS-9	9.0	0.35±0.05	4.5	0.55±0.1
RS-10	10.0	0.35±0.05	5.0	0.60±0.1
RS-11	11.0	0.35±0.05	5.5	0.60±0.1
RS-12	12.0	0.35±0.1	6.0	0.70±0.1
RS-13	13.0	0.35±0.1	6.5	0.70±0.1
RS-14	14.0	0.35±0.1	7.0	0.70±0.1
RS-15	15.0	0.35±0.1	7.5	0.70±0.1
RS-16	16.0	0.35±0.1	8.0	0.70±0.1
RS-18	18.0	0.4±0.1	9.0	0.80±0.1
RS-20	20.0	0.5±0.1	10.0	0.90±0.1
RS-22	22.0	0.5±0.1	11.0	0.90±0.1
RS-25	25.0	0.5±0.1	12.5	0.90±0.1
RS-28	28.0	0.5±0.1	14.0	0.90±0.1
RS-30	30.0	0.5±0.1	15.0	1.00±0.2
RS-35	35.0	0.5±0.1	17.5	1.00±0.2
RS-40	40.0	0.5±0.1	20.0	1.00±0.2
RS-50	50.0	0.5±0.1	25.0	1.00±0.2
RS-60	60.0	0.6±0.1	30.0	1.20±0.2
RS-70	70.0	0.6±0.1	35.0	1.20±0.2
RS-80	80.0	0.6±0.1	40.0	1.20±0.2
RS-90	90.0	0.6±0.1	45.0	1.30±0.2
RS-100	100.0	0.7±0.1	50.0	1.30±0.2
RS-120	120.0	0.7±0.1	60.0	1.30±0.2
RS-150	150.0	0.8±0.1	75.0	1.60±0.2

EXPAND NAIL :



APPLICATION :

Material : Made of PE
Color : White, Grey.

SPECIFICATION :

Item No.	L(mm)	D(mm)	D(mm)
EN-06	29.8	6.0	4.9
EN-08	38.6	7.9	5.3
EN-10	42.7	9.9	5.8
EN-12	47.9	11.6	6.3

Preinsulation Terminal

AWG22-16 DIN0.5-1.5mm ²					
	RV1.25-3.2	RVS1.25-3.7	RVM1.25-3.7	RVL1.25-3.7	RVL1.25-4
Bolt Mouth Dimension	3.2mm	3.7mm	3.7mm	3.7mm	4.3mm

AWG22-16 DIN0.5-1.5mm ²					
	RVL1.25-4	RV1.25-5	RV1.25-6	RV1.25-8	RV1.25-10
Bolt Mouth Dimension	4.3mm	5.3mm	6.5mm	8.4mm	10.5mm

AWG16-14 DIN0.5-1.5mm ²					
	RV2-3.2	RVS-3.7	RVM2-3.7	RVS2-4	RVL2-4
Bolt Mouth Dimension	3.2mm	3.7mm	3.7mm	4.3mm	4.3mm

AWG16-14 DIN1.5-2.5mm ²					
	RVS2.5	RVL2-5	RV2-6	RV2-8	RV2-10
Bolt Mouth Dimension	5.3mm	5.3mm	6.5mm	8.4mm	10.5mm

AWG14-12 DIN2.5-4mm ²				
	RV3.5-4	RVS3.5-5	RV3.5-6	RV5.5-10
Bolt Mouth Dimension	4.3mm	5.3mm	6.5mm	10.5mm

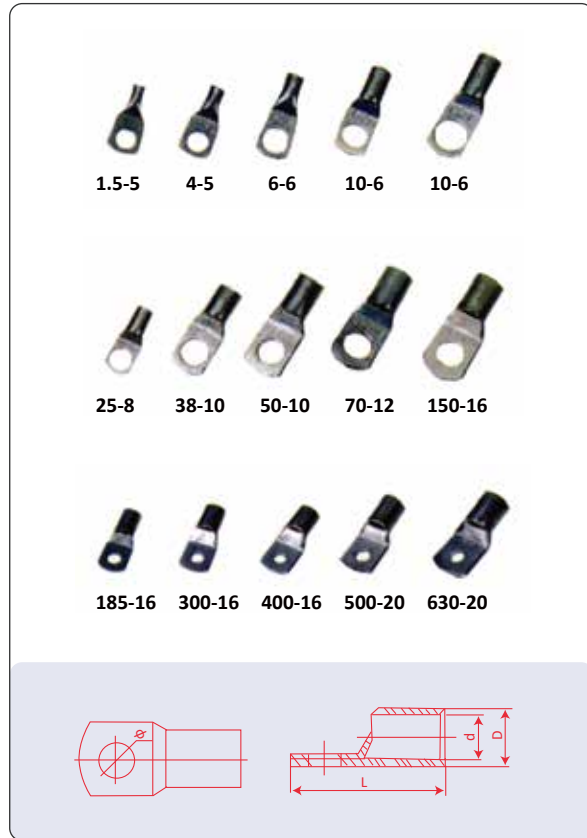
AWG12-10 DIN4-6mm ²					
	RV5.5-4	RVL5.5-4	RV5.5-5	RV5.5-6	RV5.5-8
Bolt Mouth Dimension	4.3mm	4.3mm	5.3mm	6.5mm	8.4mm

AWG22-16 DIN0.5-1.5mm ²					
	SV1.25-3.2	SVS1.25-3.7	SVL1.25-3.7	SVS1.25-4	SVM1.25-4
Bolt Mouth Dimension	3.2mm	4.3mm	3.7mm	4.3mm	4.3mm

AWG16-14 DIN1.5-2.5mm ²					
	SVS1.25-5	SVS1.25-6	SV2-3.2	SVS2-3.7	SVM1.25-4
Bolt Mouth Dimension	5.3mm	6.5mm	3.2mm	3.7mm	4.3mm

SC Copper Cable Lug, GT Copper Cable Connector

SC COPPER CABLE LUG :



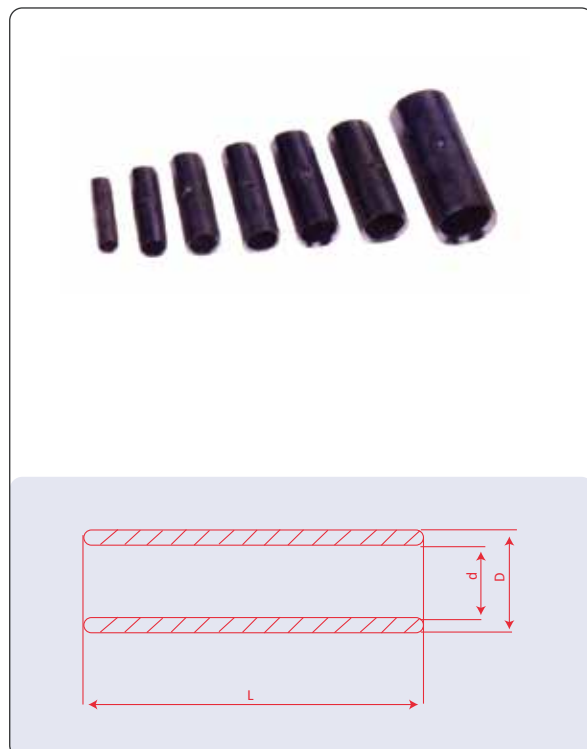
APPLICATION :

SC copper cable lugs are suitable for the connection of copper conductors (section 1.5-1000 mm²) in power cable with electronic equipment. They are made of 99.9% pure tin coated copper tube T2. Working temperature is from -55°C to +150°C.

SPECIFICATION :

Type	ϕ	D	d	L
SC-1.5	4, f5	3.5	1.8	18
SC-2.5	f4, f5, f6	4	2.5	19
SC-4	f5, f6	4.8	3.1	21
SC-6	f5, f6, f8	5.5	3.8	24
SC-10	f6, f8	6.8	4.8	25.5
SC-16	f6, f8, f10	7.5	5.5	30.5
SC-25	f6, f8, f10, f12	9	7	34
SC-35	f8, f10, f12	10.5	8.2	38
SC-50	f8, f10, f12	12.5	9.8	45
SC-70	f8, f10, f12	14.5	11.5	50
SC-95	f10, f12	17.5	13.8	55.5
SC-120	f12, f16	19.5	15.5	63
SC-150	f12, f16	20.5	16.5	70
SC-185	f16	23.5	18.8	78
SC-240	f16	26	21	92
SC-300	f16, f20	30	24	102
SC-400	f16, f20	34	27	113
SC-500	f16, f20	38	30	123
SC-630	f20	45	35	135
SC-800	f22	50	40	170
SC-1000	f22	56	44	200

GT COPPER CABLE CONNECTOR :



APPLICATION :

GT series copper cable connectors are applicable for the connection of the circular with power supply cable in distribution equipment. They are made of tin coated 99.9% pure copper tube.

Type	D(mm)	d(mm)	L(mm)
GT-1.5	3.7	1.8	20
GT-2.5	4	2.5	20
GT-4	4.8	3.1	20
GT-5.5	5.5	3.8	25
GT-10	6.8	4.8	30
GT-16	7.5	5.5	35
GT-25	9	7	40
GT-35	10.5	8.2	45
GT-50	12.5	9.8	50
GT-70	14.5	11.5	55
GT-95	17.5	13.5	60
GT-120	19.5	15	65
GT-150	21	16.5	70
GT-185	23.5	18.5	75
GT-240	26.5	21	80
GT-300	30	24	85
GT-400	34	27	90
GT-500	38	30	100
GT-630	45	35	110
GT-800	50	39	150
GT-1000	56	44	170

Tool

OIL PRESSURE TERMINAL CRIMPING TOOL (POINT TYPE PRESS MOULD)

KYQ-300

For crimping connector up to 300mm² 30mm² jaw opening
fiberglass handles



KH-325B

Specification : 35-400mm²
Weight : 0.6kg
Length : 980mm



HX-245B

Specification : 70-240mm²
Weight : 5.6kg
Length : 980mm



KH-185B

Specification : 35-400mm²
Weight : 4.5kg
Length : 980mm



TP-325

For Non-insulated terminal up to 400mm²



FYQ-400



YQK-240 300



KYQ-300B



Spring, Metal Cable Clamp, Insulated Clamp, Piercing Connector

SPRING :



METAL CABLE CLAMP :



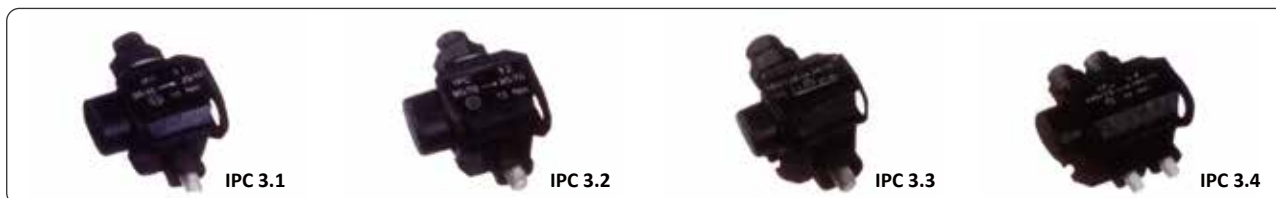
INSULATED CLAMP :



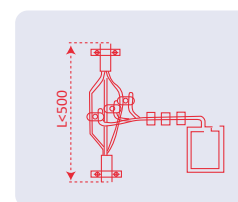
Insulated Anchor Clamp	
Code	Conductor
2.1	25-70mm ²
2.2	70-120mm ²

Insulated Anchor Clamp	
Code	Conductor
1.1A	25-120mm ²
1.1B	25- 120mm ²

PIERCING CONNECTOR :



Code	Insulated Piercing Connectors		Bolt No.
	Main	Tab	
IPC3.1	95-16	25-10	1
IPC3.2	75-70	95-70	1
IPC3.3	185-120	70-10	1
IPC3.4	185-120	185-50	2



PG Cable Gland, PG-N Cable Gland

PG CABLE GLAND :



SPECIFICATIONS :

Model	Sealing Area DI(mm)	D2 (mm)	D3 (mm)	D4 (mm)	Key Size		L1 (mm)	L2 (mm)	L3 (mm)	L4 (mm)	Lmax (mm)
					SW1	SW2					
PG7	3.5-6.5	16.5	7	7	15	13	8	13	5	8.5	23
PG9	4.5-7	21.5	10.2	10.2	19	16	8	14	5	9	25
PG11	5.5-10	25	11.3	11.5	22	19	8	15	5	10	27
PG13.5	9-13	27	11.4	13.5	24	21	9	16	5	10.8	28
PG16	10-14	30	15.8	16.5	27	23	10	16.5	5	12	30
PG21	14-18	37.5	21.2	21	33	30	11	19	6	17	38
PG29	18-25	47.5	30	27.5	42	40	11	20.5	7	18	42
PG36	25-33	58	48	34.5	53	50	12	24	8	17	43
PG42	30-38	65	44.5	40.5	60	55	13	27	9	18.5	48
PG48	37-44	70	50	45.5	70	65	14	27	9	18.5	48

PG-N CABLE GLAND :



SPECIFICATIONS :

Model	(mm)	GL(mm)
PG7N	5-7	8
PG9N	6-8	8
PG11N	8-10	8
PG13.5N	10-12	9
PG16N	12-14	10
PG21N	15-17	11
PG29N	24-26	11
PG36N	31-33	13
PG42N	39-41	13
PG48N	45-47	14

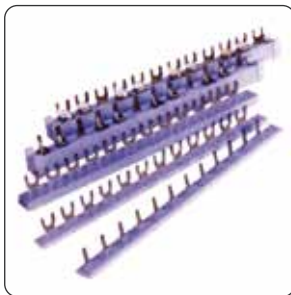
MG Cable Gland, Busbar, SM Insulate Connector

MG CABLE GLAND :



BUSBAR :

SPECIFICATIONS :



Busbar Connection		Type	Inserting Method	Current Ratings (A)	Poles No.	Cross Section (mm)	Length (mm)
 L		101	Pin type	63/1	56x1	20	100
		102	U type	63/1	56x1	20	100
 L1 L(N)		201	Pin type	63/2	27x2	20	100
		202	U type	63/2	27x2	20	100
 L1 L2 L3 N		301	Pin type	63/3	18x3	20	100
		302	U type	63/3	18x3	20	100
 L1 L2 L3 N		401	Pin type	63/4	14x4	20	100
		402	U type	63/4	14x4	20	100

SM INSULATE CONNECTOR :



SPECIFICATIONS :

Model	SM-25	SM-30	SM-35	SM-40	SM-51	SM-76
Tensile Strength (lbs)	500	550	600	650	1000	1500
Togue Strength (ft lbs)	6	8	10	10	20	40
Voltage Withstand (kv)	6	8	10	12	15	25
Screw (mm)	6	8	8	8	8	10

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