

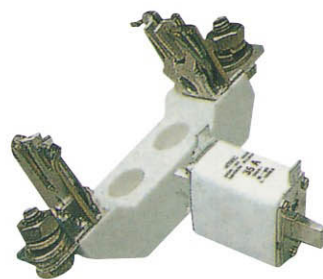
NT Low Voltage Fuse

Application

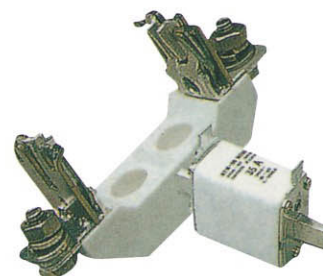
Low voltage H.R.C. fuse features light in weight, small in size, low in power loss and high in breaking capacity. This product has been widely used in overload and short circuit protection of electric installation. This product conforms to IEC 60269 standards with all of the rating at the world advanced level.

Specifications

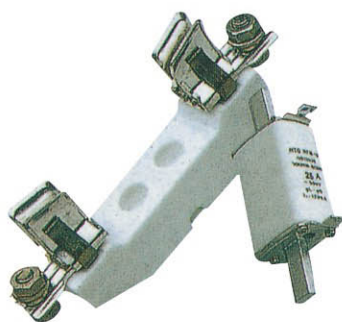
Type	Fuse link				Fuse base		
	Rated current (A)	Rated voltage (V)	Rated power loss (W)	Weight (kg)	Type	Rated current (A)	Weight (kg)
NT00C	2	500,600	0.41	0.15	Sist 101	160	0.2
	4		0.62				
	6		0.81				
	10		1.08				
	16		1.60				
	20		1.81				
	25		2.31				
	32		3.07				
	36		3.17				
	40		4.05				
	50		4.25				
	63		4.70				
	80		5.7				
	100		7				
NT00	4	500,600	0.67	0.15	Sist 101	160	0.2
	6		0.89				
	10		1.14				
	16		1.65				
	20		1.94				
	25		2.50				
	32		3.32				
	36		3.56				
	40		4.30				
	50		4.5				
	63		4.6				
	80		6				
	100		7.3				
	125	500	7.6				
	160		9.6				
NT0	6	500,600	1.03	0.2	Sist 160	160	0.32
	10		1.42				
	16		2.45				
	20		2.36				
	25		2.7				
	32		3.74				
	35		4.3				
	40		4.7				
	50		5.5				
	63		6.9				
	80		7.6				
	100		8.9				
	125	500	10.1				
	160		15.2				



NT00C



NT00

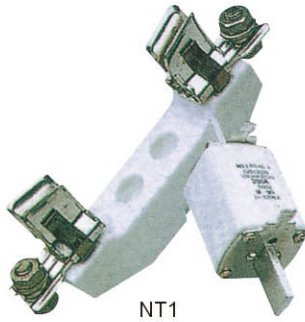


NT0

NT Low Voltage Fuse

Specifications

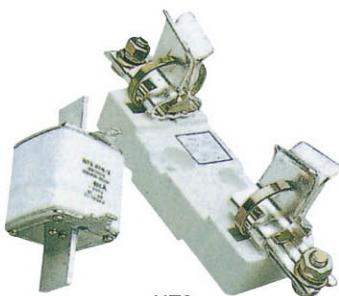
Type	Fuse link				Fuse base		
	Rated current (A)	Rated voltage (V)	Rated power loss (W)	Weight (kg)	Type	Rated current (A)	Weight (kg)
NT1	80	500,600	6.2	0.36	Sist 201	250	0.8
	100		7.5				
	125		10.2				
	160		13				
	200		15.2				
	224	500	16.8				
	250		18.3				
NT2	125	500,600	9	0.65	Sist 401	400	1.2
	160		11.5				
	200		15				
	224		16.6				
	250		18.4				
	300		21				
	315		19.2				
	355		24.5				
	400		26				
NT3	315	500,600	21.7	0.85	Sist 601	630	1.5
	355		22.7				
	400		26.8				
	425		28.9				
	500	500	32				
	630		40.3				
NT4	800	380	62	1.95	Sist 1001	1000	3.45
	1000		75				



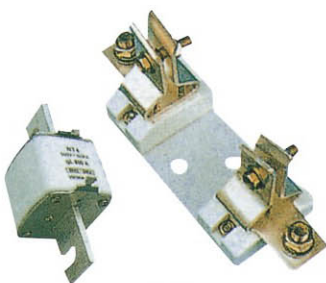
NT1



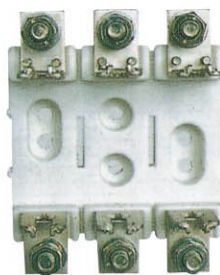
NT2



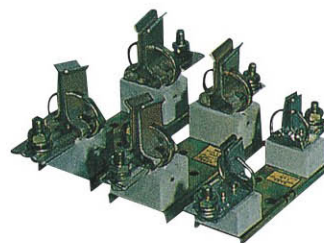
NT3



NT4



NT00 3P



NT2 3P



Fuse puller

H.R.C Fuse

Application

The fuses links having cylindrical contact caps are designed for protecting electrical distributing installations of rated voltage of 380V AC. with rated current up to 125A against damage due to overload and short circuit. Fuse links with the striker are supplied for the purpose of protecting motors against motor single phasing operation when fitted in fuse isolators.



RO10 RO15



RO21 RO22



1P+N/63A



3P/63A

Specifications

Type		Dimension(mm)	Rated Current(A)
gG	aR		
RO06	RS06	12.7×29	2,4,6,10,16,20,25,32
RO07	RS07	30×57	10,16,20,25,32,40,50,63,80,100
RO09	RS09	18×37	2,4,6,10,16,20,25,32,40,50,63
RO10	RS10	18×50	2,4,6,10,16,20,25,32,40,50,63
RO11	RS11	21×58	2,4,6,10,16,20,25,32
RO12	RS12	27×60	35,50,63,80,100
RO13	RS13	15×50	2,4,6,10,16,20,25,32,40
RO14	RS14	8.5×31.5	1,2,4,6,10,16,20
RO14A	RS14A	8.5×23	1,2,4,6,10,16,20
RO14B	RS14B	8.5×36	1,2,4,6,10,16,20
RO15	RS15	10.3×38	2,4,6,10,16,20,25,63
RO15A	RS15A	10.3×25.8	1,2,4,6,10,16
RO15B	RS15B	10.3×31.5	1,2,4,6,10,16,20,25
RO15C	RS15C	10.3×34	2,4,6,10,16,20,25,32
RO15D	RS15D	10.3×57	2,4,6,10,16,20,25,32
RO16	RS16	14.3×51	2,4,6,10,16,20,25,32,40,50,63
RO16A	RS16A	14.3×38	2,4,6,10,16,20,25,32,40,50,63
RO16B	RS16B	14.3×45	2,4,6,10,16,20,25,32,40,50,63
RO16C	RS16C	14.3×67	2,4,6,10,16,20,25,32,40,50,63
RO17	RS17	22.2×58	10,16,20,25,32,40,50,63,80,100
RO18	RS18	9.6×30	1,2,4,6,10,16,20,25
RO19	RS19	20.5×127	1,2,4,6,10,16,20,25,32
RO19A	RS19A	20.5×76	2,4,6,10,16,20,25,32,40,50,63
RO19B	RS19B	20.5×114	1,2,4,6,10,16,20,25,32
RO19C	RS19C	27×139	32,40,50,63
RO19D	RS19D	27×147	32,40,50,63
RO54	RS54	5×20	0.5,1,2,4,6,10,16
RO55	RS55	5×25	0.5,1,2,4,6,10,16
RO56	RS56	6×20	0.5,1,2,4,6,10,16
RO57	RS57	6.3×25	0.5,1,2,4,6,10,16
RO58	RS58	6.3×31.5	0.5,1,2,4,6,10,16
RO21	RS21	DII	2,4,6,8,10,13,16,20,25
RO22	RS22	DIII	35,40,50,63
RO23	RS23	DII	2,4,6,8,10,16,20,25,35,50,63
RO24	RS24	-	2,4,6,10,16,20,25
RO27	RS27	-	4,6,8,10
RO28	RS28	-	16,20
RO29	RS29	-	25,32,40

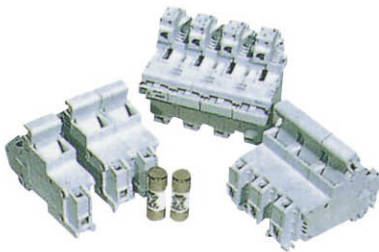
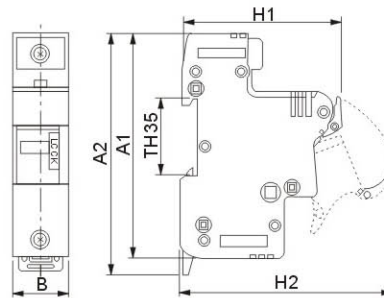
Fuse Holder

RT18L



RT18L

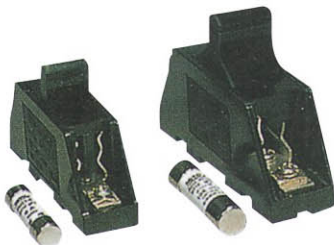
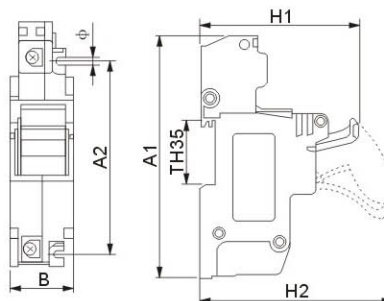
Type	Assorted Fuse	Number of Poles	Rated Insulation voltage(V)	Conventional heating current(A)	Dimension(mm)				
					A1	A2	B	H1	H2
RT18L-63	14×51	1,2,3,4	690	63	108	115	27	78	100
RT18L-125	22×58			125	126	134	36	78	104



HG30

HG30

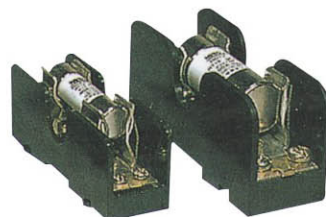
Type	Assorted Fuse	Number of Poles	Rated Insulation voltage(V)	Conventional heating current(A)	Dimension(mm)					
					A1	A2	B	H1	H2	φ
HG30-63	14×51	1,2,3,4	500	63	107	80	27	80	100	4.5
HG30-125	22×58			125	140	110	36	90	104	4.5



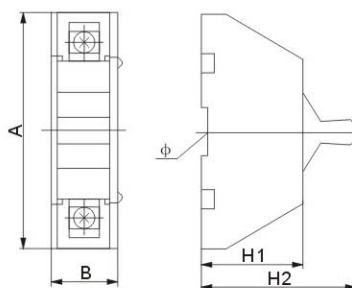
RT19-16/25

RT19

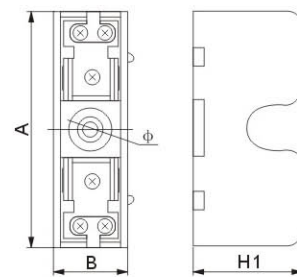
Type	Size	Rated Insulation voltage(V)	Conventional heating current(A)	Dimension(mm)					
				A1	A2	B	H1	H2	φ
RT19-16	8.5×31.5	500	16	69	18.5	28.5	28.5	41.5	5
RT19-25	10×38	500	20	80	23	35	35	53	6.5
RT19-40	14×51	500	400	91	28.5	40	40	-	5.5
RT19-100	22×58	500	100	108	36	50	50	-	6.5



RT1940/100



RT19-16,25



RT19-40,100

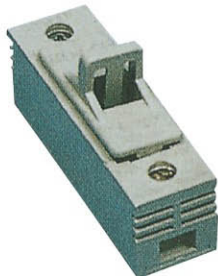
Fuse Holder



RT18-32/2P



RT18-63X/3P



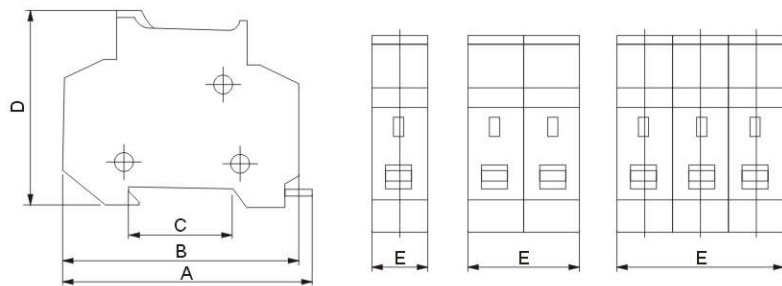
RT14-20



RT14-32

RT18

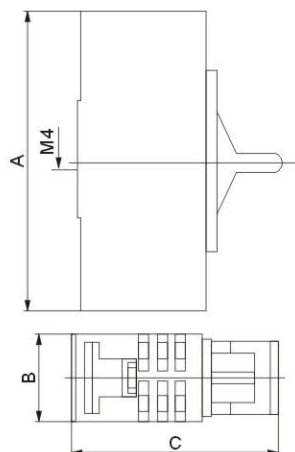
Type	Assorted Fuse	Rated voltage(V)	Rated Current(A)	Weight (kg)	Dimension(mm)				
					A	B	C	D	E
RT18-32 1P	10×38	380	32	0.075	82	78	35	63	18
RT18-32 2P			32	0.15	82	78	35	63	36
RT18-32 3P			32	0.22	82	78	35	63	54
RT18-63 1P	14×51		63	0.18	106	103	35	80	26
RT18-63 2P			63	0.36	106	103	35	80	52
RT18-63 3P			63	0.54	106	103	35	80	78
RT18-32X 1P	10×38		32	0.075	82	78	35	63	18
RT18-32X 2P			32	0.15	82	78	35	63	36
RT18-32X 3P			32	0.22	82	78	35	63	54
RT18-63X 1P	14×51		63	0.18	106	103	35	80	26
RT18-63X 2P			63	0.36	106	103	35	80	52
RT18-63X 3P			63	0.54	106	103	35	80	78



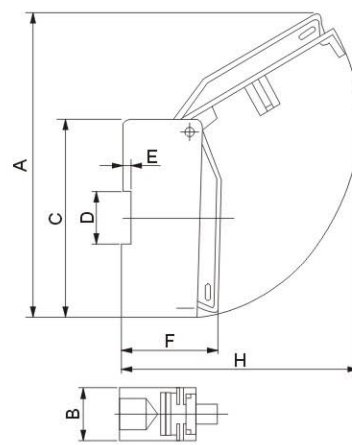
RT18

RT14

Type	Assorted Fuse	Rated voltage(V)	Rated Current(A)	Weight (kg)	Dimension(mm)							
					A	B	C	D	E	F	H	
RT14-20	10×38	500	16	0.082	69	20	47	-	-	-	-	
RT14-32	14×51		32	0.16	185	27.5	105	27	3.5	57	145	
RT14-63	22×58		63	0.29	195	34	125	26	3.5	65	160	



RT14-20



RT14-32,63

J Fuse Link

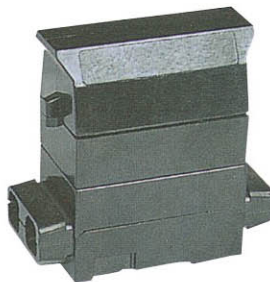


J Type

Specifications

Size	Rated current(A)
76mm 3"	20 35 32 40 50 63 80 100 125 160 200
83mm 3 1/4"	20 25 32 40 50 63 80 100 125 160 200 250 315 355 400
92mm 3 5/8"	20 25 32 40 50 63 80 100 125 160 200 250 315 355 400 450 500 560 630 800

Cut Out Fuse



60# 60/80A

Application

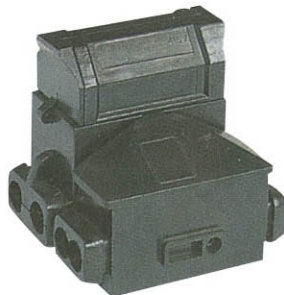
FS cutouts are made of high grade phenolic coupling power having high mechanical and dielectric strength. The body possesses non-hygroscopic and non-tracking qualities.

Terminal contacts are of tinned brass with phosphor bronze back up compression spring capable of providing flawless service even after years of use.

It has features like: all components are inter-locked. Sealing provision to avoid unauthorised access. Common body from 15amps to 100amps. Terminal are suitable for aluminium/copper conductors upto 35sq. mm loop in and loop out cabling contacts available.

FS insulated service cutouts conform to BS 1361 • 1986 standard SR H fuses conform to BS 1361.1986.

The available current is 60# 60/80A, 100# 60/80A, 100# 100A, 100# 1P+N 60/80A, 100# 1P+N 100A.



100# 1P+N 100A

Fuse

Specifications

Model	RL-16ND	RL6-25	RL6-63
Rated Voltage	500V	500V	500V
Rated Current of Fuse	16A	25A	63A
Rated Current of Fusant	1,2,4,6,10A	2,4,6,10,20,25A	35,50,63A
Rated Breaking Current	50KA cos ϕ =0.1-0.2kg	50KA cos ϕ =0.1-0.2kg	50KA cos ϕ =0.1-0.2kg
Overall dimension	35×35×70	66×43×80	89×54×82
Weight	0.15 kg	0.20 kg	0.25 kg



RL6 RL6-25 RL6-16ND



E27 3P

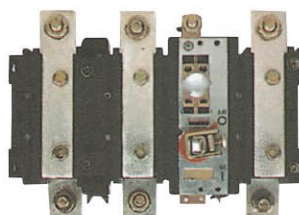


E33 3P

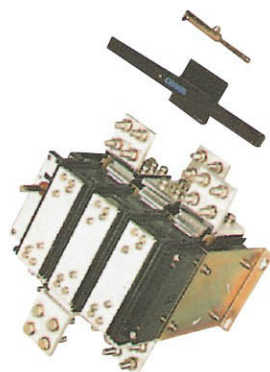
QSA Isolating Switch Fuse

Application

Used to cabinet and drawer electrical controlling sets of equipment. Used as power switch isolating switch and emergency switch to protect circuit in distribution circuit and motor circuit, particularly the high-short circuit of AC 50-60Hz, the rated operational current 63-630A, rated operational voltage 660V below, current voltage 220V or 440V. Conformed to AC-21, AC-22, AC-23 It conforms to IEC60947-3.



QA



QP



QSA

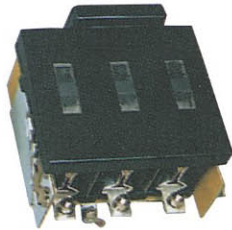
Specifications

Model	QSA63	QSA125	QSA160	QSA250	QSA400	QSA630
Number of Main Poles			2,3,4			2,3
Rated Insulation Voltage(V)	1000					
Rated Operational Voltage(V)	AC:380V 660V DC:220V 440V					
Rated Conventional Thermal Current I _{th} (A)	80	160	160	400	400	800
Rated Enclosed Thermal Current I _{the} (A)	63	125	160	250	400	630
Rated Operational Current (I _e)/power AC						
380V cos0.35 AC23 (A/KW)	63/30	125/75	160/90	250/132	400/200	630/333
380V cos0.35 AC23 (A/KW)	63/55	125/110	160/150	250/220	400/375	630/560
Rated Fused Short-Circuit Current (KAr.m.s)	100 (380V)					
	50 (660V)					
Max.Fuse-Link(A)	160			400		630
Mechanical Endurance (Operations)	15000		12000			3000
Electrical Endurance (Operations)	1000		300		200	
Weight (kg)	1.6	1.7	4.1	4.5	4.7	14.0
Fuse Type NT (RT16) (size)	00			1-2		3
Required Torque (Nm)	7.5		16		60	
Auxiliary Switch (380V AC-15) (220V DC-13) (a)	4				6	
Switched Neutral Pole I _{the} /I _e (220V DC-13) (A/A)	125/125	63/63	160/160	250/250	400/400	-
Neutral Link I _{the} (A)	63	125	160	250	400	630

HR5 Isolating Switch Fuse

Application

The product is used in distribution circuit and motor circuit of current 50Hz, rated operational frequency 660V under, and rated current 100-630A, also used in high-short-circuit as power switch, isolating switch and emergency switch protecting circuit. Fitted with NT (RT 16) fuse. It conforms to IEC60947-3.



HR5



HR6

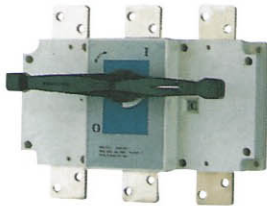
Specifications

Model		100	200	400	630
Number of Main Poles		3			
Rated Insulation Voltage AC(V)		690			
Rated Operational Voltage(V)		380,660			
Rated Operational Current(A)	380V AC-23	100	200	400	630
	660V AC-22	100	200	315	426
Rated Making Capacity	380V cos ϕ 0.35 AC-23	10		10	
	660V cos ϕ 0.65 AC-22	3			
Rated Breaking Capacity	380V cos ϕ 0.35 AC-23	8	8		
	660V cos ϕ 0.65 AC-22	3			
Rated Fused Short Circuit Current (KA.m.s)	380V AC-23	100			
	660V AC-22	50			
Max. Fuse-Link (A)		160	250	400	630
Fuse Type (NT0)		00	1	2	3
Mechanical Endurance/Electrical Endurance (Operations)		3000		1000	
Auxiliary Switch (380V AC-15) VA		300			

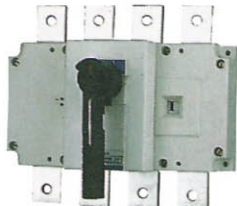
HDT1 Isolating Switch

Application

The products are suitable for making and breaking power turn-circuit of voltage 415V, frequency 50/60Hz, rated current less than 630A, acting as power switch, isolating switch and emergency switch. Because of special system of arc-contact and main-contact, HDT1 operates with high efficiency, safety and reliability, conforming to IEC60947-3. Rotational operation and direct mechanical connection between handle and moving contact, on-off handle makes contact break and indicating place of contact. Panel and independent type installation are fitted with HDT1.



HDT1 3P



HDT1 4P

Specifications

Model	63	125	160	250	400	630
Number of Main Poles	4	4	4	4	4	4
Rated Insulation Voltage(V)	690	690	800	800	1000	1000
Rated Operational Voltage(V)	415	415	415	415	415	415
Rated Operational Current(A)	63	125	160	250	400	630
Rated Short-Circuit Withstand Current 1sec(KA)	3	5	10	10	17	25
Rated Circuit Making Capacity(KA)	4.8	8	15	15	32	50
Rated Limiting Short-circuit Current(KA)	100	100	100	100	100	100
Operating	8500	8500	7000	7000	4000	4000
Capability Mechanical Endurance (Operations)	1500	1500	1000	1000	1000	1000
Weight(Kg) Electrical Endurance (Operations)	0.5	1.0	2.05	2.2	3.5	6.0
Auxiliary Switch (380V AC-15) (A)	16					

HR17 Fuse Disconnecter

Specifications

Switch Rating Heat Current(A)	Number of Poles	Assorted Fuse	Rated Current(A)
160	2,3,4	NT00	4,6,10,16,20,5,2,35,40,50,63,80,100,125,160
250		NT1	80,100,125,160,200,224,250
400		NT2	125,160,200,224,250,300,315,355,400
630		NT3	315,335,400,425,500,630

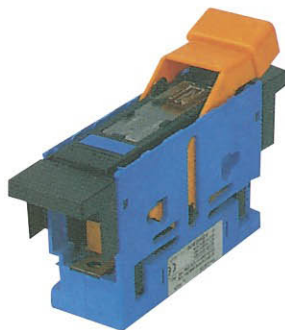


HR17

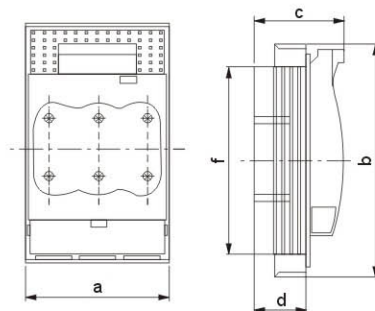
Dimension

HR17

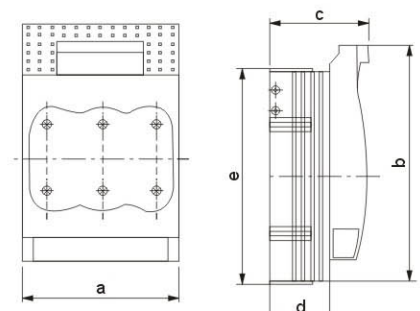
Model	Assorted Fuse	A	B	C	D	E
HR17-160/20	NT00	106	73	82.5	45	151
HR17-250/20	NT1	184	128	111.5	66	214.5
HR17-400/20	NT2	210	145	128	80	255
HR17-630/20	NT3	256	175	142.5	94.5	267
HR17-160/30	NT00	106	200	82.5	45	151
HR17-250/30	NT1	184	243	111.5	66	214.5
HR17-400/30	NT2	210	288	128	82	255
HR17-630/30	NT3	256	300	142.5	94.5	267



HR17B



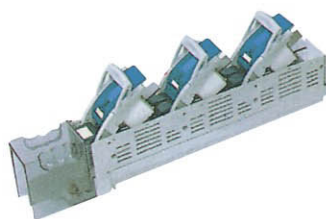
HR17-160A



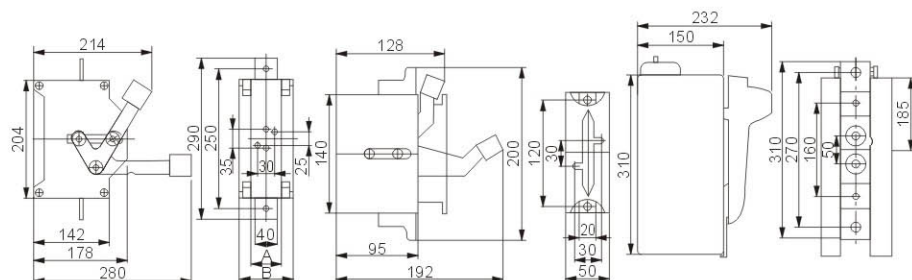
HR17-250A~630A

HR17B

Model	Fuse	A	B	C	D	E	F
HR17B-16/10	NT00	200	50	128	192	30	30
HR17B-250/10	NT1	290	100	214	280	35	30
HR17B-400/10	NT2	290	100	214	280	35	30
HR17B-630/10	NT3	290	115	214	280	35	35
HR17B-1250/10	NT4	345	127	235	412	50	



HG2B



HR17B-160~630/10

HR17B-1250/10

APDM160-Single phase switch for NH type fuses up to 160A

General Description

The APDM160 fuse switch it is used either as an operation or protection device for LV lines. It is designed to be used with NH 00 size fuses offering a maximum of 160 Amps of line protection without blades.

In case blades are used, the maximum switching load would be 250A. It is manufactured in reinforced fiberglass polyamide and fulfills all the necessary requirements for outdoor installation and operation.

In the APDM 160C model the connection is made with connectors suitable for aluminum and copper conductors with a section range between 16 and 95 mm² (5-4/0 AWG).

The APDM 160 model can also be connected with terminals lugs and both models can be installed with single phase or three phase opening.

They have special sockets to obtain a compact set.

The switch is operated from the ground with an operating rod and also has an indicator to show if the fuse is placed. It can be sealed with security ties.

It also has a led to show the fusion of the fuse.



Technical Characteristics

Voltage	500V
Insulation level	1000V
Frequency	50/60Hz
Operational current with fuses	160A
Operational current with blades	250A
Installation category	AC22
Short lasting Current(1s)	3,2KA
Dynamic current(crest)	25KA
Interruption capacity	100KA
Minimum mechanical life(operation)	1000
Weight	600G
Protection range	IP 23



APDM160

Connection detail IP23



terminal connection



connector connection

APDM630-Single phase switch for NH fuses up to 630A

General Description

The APDM630 fuse switch it is used either as an operation or protection device for LV lines. It is designed to be used with NH 1-2 or 3 size fuses offering a maximum of 630 Amps of line protection without blades.

In case blades are used, the maximum switching load would be 800 Amps.

It is manufactured in reinforced fiberglass polyamide and fulfills all the necessary requirements for outdoor installation and operation.

In the APDM160C model the connection is made with connectors suitable for aluminum and copper conductors with a section range between 16 and 95 mm² (5-4/0 AWG).

The closure of the cap allows the switch to be closed with or without a fuse, preventing the risk of leaving tension parts exposed. It may also be provided with a light emission diode (LED).



Technical Characteristics

Voltage	500V
Insulation level	1000V
Frequency	50/60Hz
Operational current with fuses	630A
Operational current with blades	800A
Installation category	AC22
Short lasting Current(1s)	12KA
Dynamic current(crest)	50KA
Interruption capacity	100KA
Minimum mechanical life(operation)	1000
Weight	1.8kg
Protection range	IP 23



APDM630



ZCF-3(160A~400A)

APDM630-3-Four phase switch for NH fuses up to 630A, with three phase operation

General Description

This model is suitable for switching and protecting LV overhead lines, and/or to include a protection when doing a connection to low voltage underground systems. The design of this equipment allows the opening and closing of the three phases simultaneously and independently from the neutral, which is clearly identified to prevent its disconnection in rigidly landed systems. If required, it can be easily transformed in a single phase operation switch as the standard model APDM 630. It can be connected with terminals lugs (APDM630-3) or directly with its connectors (APDM630-3C).

Each phase and the neutral have an indicator which show if the fuse or the blade are installed. The closure of the cap allows the switch to be closed with or without the fuse preventing the risk of leaving live parts exposed. It can also be provided with a led to show the fusion of the fuses.



Technical Characteristics

Voltage	500V
Insulation level	1000V
Frequency	50/60Hz
Operational current with fuses	630A
Operational current with blades	800A
Installation category	AC22
Short lasting Current(1s)	12KA
Dynamic current(crest)	50KA
Interruption capacity	100KA
Operations behavior without load(oper)	800
Operations behavior(operation) (400 A Cos fi 0,65)	200
Weight	1.8kg
Protection range	IP 23



APDM160



APDM630

