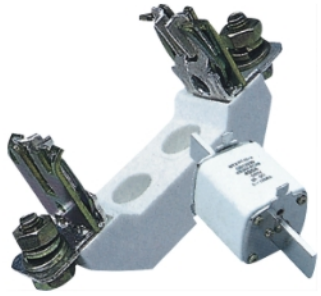
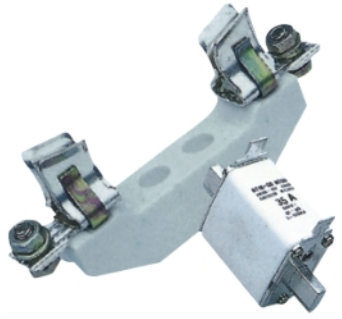
BLUESEA ELECTRIC CO.,LTD.

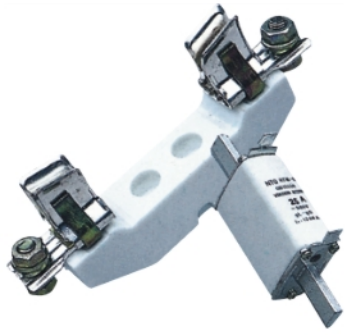
# G

# FUSE

# NT FUSE


NT00C


NT00


NT0


NT1

## • APPLICATION

Type NT 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 269 and VDE 0636 standards with all of the rating at the world advanced level.

## • TECHNICAL SPECIFICATION

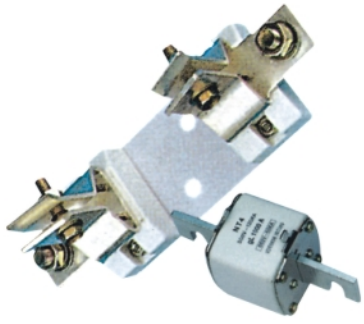
| Type | Fuse link | | | | Fuse base | | |
|---|---|---|---|---|---|---|---|
| | Rated current(A) | Rated voltage(V) | Rated power loss(W) | Weight (kg) | Type | Rated current(A) | Weight (kg) |
| NT00C | 2 | 500,690 | 0.41 | 0.15 | Sist101 | 160 | 0.2 |
| | 4 | | 0.62 | | | | |
| | 6 | | 0.81 | | | | |
| | 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 | 500,690 | 0.67 | 0.15 | Sist101 | 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 | | 4.3 | | | | |
| | 50 | | 4.5 | | | | |
| | 63 | | 4.6 | | | | |
| | 80 | | 6 | | | | |
| | 100 | | 7.3 | | | | |
| | 125 | 500 | 7.6 | 0.15 | Sist101 | 160 | 0.2 |
| | 160 | | 9.6 | | | | |
| NT0 | 6 | 500,690 | 1.03 | 0.2 | Sist101 | 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 | | | | |

# NT, RT FUSE

## • TECHNICAL SPECIFICATION

NT2

NT3



NT4

| 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 | 500,690 | 6.2 | 0.36 | Sist201 | 250 | 0.8 |
| | 100 | | 7.5 | | | | |
| | 125 | | 10.2 | | | | |
| | 160 | | 13 | | | | |
| | 200 | | 15.2 | | | | |
| | 224 | 500 | 16.8 | | | | |
| | 250 | | 18.3 | | | | |
| NT2 | 125 | 500,690 | 9 | 0.65 | Sist401 | 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 | 500,690 | 21.7 | 0.85 | Sist601 | 630 | 1.5 |
| | 355 | | 22.7 | | | | |
| | 400 | | 26.8 | | | | |
| | 425 | | 28.9 | | | | |
| | 500 | 500 | 32 | | | | |
| | 630 | | 40.3 | | | | |
| NT4 | 800 | 380 | 62 | 1.95 | Sist1001 | 1000 | 3.45 |
| | 1000 | | 75 | | | | |

G

# RT14 CYLINDRICAL CAPE FUSE

RT14-32/63/100

## • APPLICATION

RT14 type cylindrical cape fuse, used in rated voltage AC 380, rated current to 60A of distribution device, and served as protection of overload & short circuit. Fuse body with electric shock is fited in, and with fuse type indicator serves as phase fault-protection of motors.

## • TECHNICAL DATA

| Size | Rated current (A) | Consumption (W) | Shock | W.T (Kg) |
|---|---|---|---|---|
| 10×38 | 2, 4, 6, 8, 10, 16, 20 | ≤3 | without | 0.009 |
| 14×51 | 2, 4, 6, 8, 10, 16, 20, 25, 32, | ≤5 | with or without | 0.022 |
| 22×58 | 10, 16, 20, 25, 32, 40, 50, 63 | ≤9.5 | with or without | 0.06 |

# FUSE

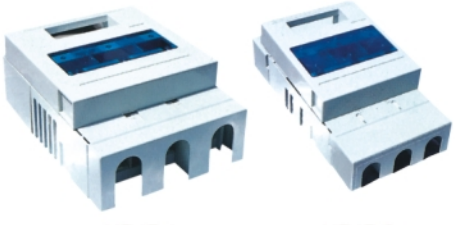
## • APPLICATION

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

100A Φ30×58 | 63A Φ22×58 | 32A Φ14×51

63A DIII | 40A R022(RL6) | 20A R021(RL6)

RL6-63 63A | RL6-25 25A | RL6-16ND 25A



HR17-1 | HR17-2

## • TECHNICAL SPECIFICATION

| Dimension(mm) | Rated current(A) | L(mm) | Hamx(mm) | ΦC(mm) |
|---|---|---|---|---|
| 8.5×31.5 | 2,4,6,10,16 | 31.5±0.6 | 8.5 | 8.5±0.1 |
| 10×38 | 2,4,6,10,16,20,25,32 | 33±0.6 | 10.5 | 10.3±0.1 |
| 14×51 | 2,4,6,10,16,20,25,32,40,50,63 | $51\pm\frac{0.6}{10}$ | 13.8 | 14.3±0.1 |
| 22×58 | 10,16,20,25,32,40,50,63,80,100 | $58\pm\frac{0.1}{20}$ | 16.2 | 22.2±0.1 |
| 30×58 | 63,80,100,125 | $58\pm\frac{0.1}{20}$ | 16.2 | 30±0.1 |

## • TECHNICAL SPECIFICATION

| Model | RL-16ND | RL6-25 | RL6-63 |
|---|---|---|---|
| Rated voltage | 500V | 500V | 500V |
| Rated current of fuse | 25V | 25V | 63A |
| Rated current of fuse | 1,2,4,6,10A | 2,4,6,10,16,20,25A | 35,50,63A |
| Rated breaking current | 50KA cos Φ-0.1~0.2kg | 50KA cos Φ-0.1~0.2 | 50KA cos Φ-0.1~0.2 |
| Overall dimensions | 35×35×70mm | 66×43×80mm | 89×54×82mm |
| Weight | 0.15kg | 0.20kg | 0.35kg |

## • TECHNICAL SPECIFICATION

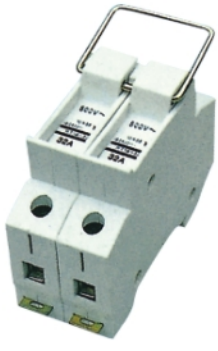
| Model | Dimensions(mm) | | | | Suitable fuse core |
|---|---|---|---|---|---|
| | A | B | BI | C | |
| HR17-600A | 365 | 358 | 255 | 200 | NT3 |
| HR17-400A | 345 | 338 | 210 | 130 | NT2 |
| HR17-250A | 335 | 292 | 184 | 114 | NT1 |

RT18-32 1P

RT18-63X 1P

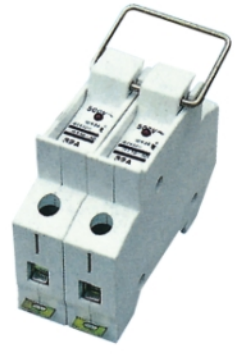
RT18-63X 2P

RT18-63X 3P



RT18-32 2P

RT18-32 3P



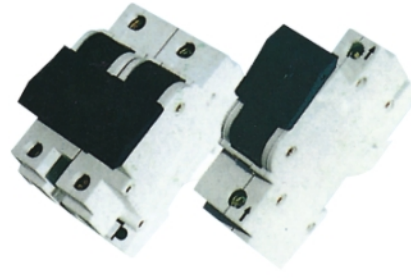
RT18-32X 2P

RT18-32X 3P

G

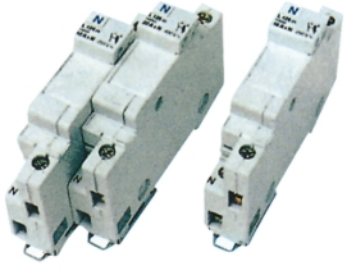
RT18

D02 32A 1P+N

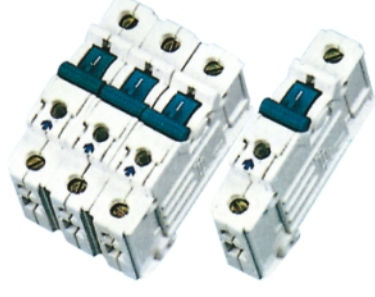


D02 63A 1P

D02 63A 1P+N



RM-32



RT18-32K

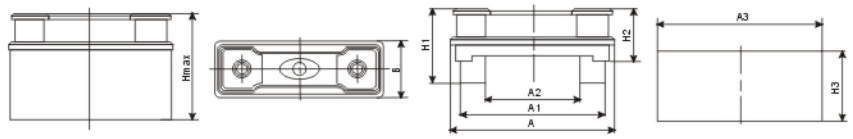
FUSE PULLER

## RG FUSE HOLDER

RG series fuse holders are formed with the fuse supporter (fuse base) and the fuse carries (handle). They are designed for working at a arted voltage up to 660VAC, 50/60Hz, the rated thermal current is up to 100A. The products comply with IEC269 standard. They are widely used for protection against overload and short circuit in power distribution systems, and can also be used for power main disconnecting.

RG32 RG63 RG100

| Model | Dimension (mm) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | A | A1 | A2 | A3 | B | H | H1 | H2 | H3 |
| RG32 | 68 | 57 | 38 | 68 | 26 | 49 | 35 | 19 | 33 |
| RG63 | 105.5 | 92 | 60 | 104.5 | 35 | 67 | 46 | 32 | 43.7 |
| RG100 | 129 | 114 | 72 | 129 | 50 | 94 | 75 | 405 | 62 |




G

## J TYPE FUSE LINK

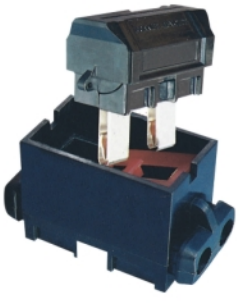
| Size | Rated current(A) |
|---|---|
| 76mm3" | 20 25 32 40 50 63 80 100 125 160 200 |
| 83mm3¹/4" | 20 25 32 40 50 63 80 100 125 160 200 250 315 355 400 |
| 92mm3⁵/8" | 20 25 32 40 50 63 80 100 125 160 200 250 315 355 400 450 500 630 800 |

## CUT OUT FUSE

1P+N 60/80A
1P+N 100A

1P+N 60/80A
1P+N 100A

60/80A



1P+N 60/80A
1P+N 100A

# AUTOMOBILE FUSE

## • APPLICATION

Protection against overloads and circuit short in electric lines.Rated voltage up to 48V DC or 50Hz 125V AC;Rated current up to 800A.

## • DESIGN FEATURES

This series of vehicle fuses are made up with two parts:fuse links and fuse bases. According to different applications,the fuse links can be divided into normal type(CNL,RQ1)and fast type (CNN), both bolting connected.The fuse links can be connected directly to the bus-bar,saving afuse base. It can also be fastened to an installed fuse base(RQD-1)for convenient fuse exchange.

## • BASIC DATA

Models,rated voltage and dimensions are shown in figures 16.1～16.4 and table 16.

**Table 1**

| Cat. No. | Models | Name | Rated voltage (V) | Rated current (A) | Dimensions/sizes(mm) | | | | | Weight (g) |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Fig. | A | B | C | D | |
| 01 | RQ1 | Fuse links | DC48/AC125 | 60～800 | Fig.1 | 9 | 0.6~1.8 | 11 | 8.5 | 54 |
| 02 | CNL | Fuse links | DC48/AC125 | 35～250 | Fig.1 | 10.2 | 0.3~1.1 | 8.7 | 8.7 | 32 |
| 03 | | | | | | | | 11 | 11 | 30 |
| 04 | | | | 275～500 | Fig.1 | 10.2 | 0.5~1.0 | 8.7 | 8.7 | 68 |
| 05 | | | | | | | | 11 | 11 | 65 |
| 06 | | | | 600～750 | Fig.1 | 12 | 0.65~1.9 | 8.7 | 8.7 | 258 |
| 07 | | | | | | | | 11 | 11 | 255 |

**Table 2**

| Cat. No. | Models | Name | Rated voltage (V) | Rated current (A) | Dimensions/sizes(mm) | | | | | Weight (g) |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Fig. | A | B | C | D | |
| 08 | CNN | Fuse links | DC48/AC125 | 10 | Fig.2 | 11.4 | 1.3 | 8.7 | 8.7 | 32 |
| 09 | | | | | | | | 11 | 11 | 30 |
| 10 | | | | 35～300 | Fig.2 | 10.9 | 1.3 | 8.7 | 8.7 | 54 |
| 11 | | | | | | | | 11 | 11 | 51 |
| 12 | | | | 325～600 | Fig.2 | 15.2 | 5.2 | 8.7 | 8.7 | 69 |
| 13 | | | | | | | | 11 | 11 | 65 |
| 14 | | | | 700～800 | Fig.2 | 16.5 | 6.4 | 8.7 | 8.7 | 87 |
| 15 | | | | | | | | 11 | 11 | 84 |

**Table 3**

| Cat. No. | Models | Name | Rated voltage (V) | Rated current (A) | Dimensions/sizes(mm) | Weight (g) |
|---|---|---|---|---|---|---|
| 16 | RQ6 | Fuse links | DC48/AC125 | 80~150 | Fig.3 | 22 |

**Table 4**

| Cat. No. | Models | Name | Rated voltage (V) | Rated current (A) | Dimensions/sizes(mm) | Weight (g) |
|---|---|---|---|---|---|---|
| 17 | RQD-1 | fuse holder | AC220 | 800 | Fig.4 | 139 |

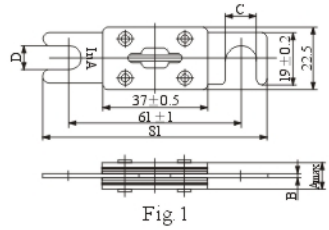



Fig.1

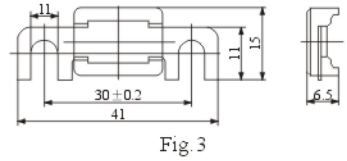



Fig.3

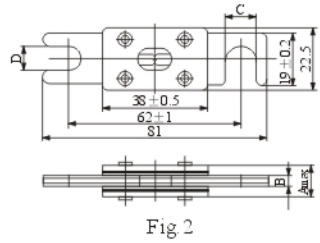



Fig.2

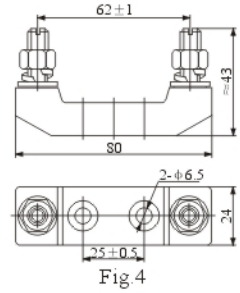


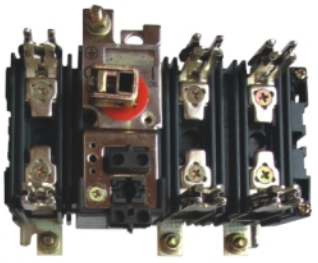

Fig.4

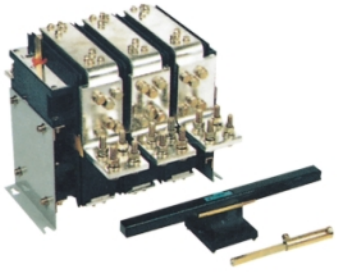
G

# HH15(QSA)SERIES OF 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.





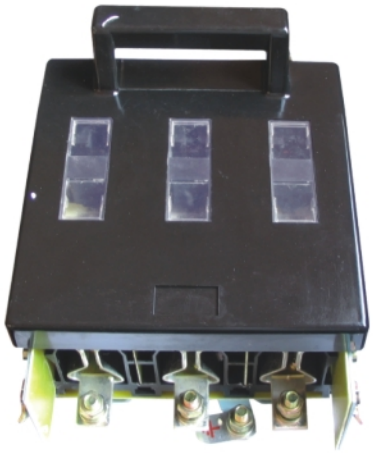
## • TECHNICAL PARAMETER CONFORM TO IEC947-3 GB14048.3

| Specification | | 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 Ith | A | 80 | 160 | 160 | 400 | 400 | 800 |
| Rated enclosed thermal current I the | A | 63 | 125 | 160 | 250 | 400 | 630 |
| Rated operational current (Ie)/power AC | | | | | | | |
| 380V cos0.35 AC-23 | A/KW | 63/30 | 125/75 | 160-90 | 250/132 | 400/220 | 630/333 |
| 380V cos0.35 AC-23 | 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 enduranced | operations | 15000 | | 12000 | | | 3000 |
| Electric enduranced | 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 |
| Requied torque | Nm | 7.5 | | 16 | | 30 | |
| Auxiliary switch(380V AC-15) (220V DC-13) | A | 4 | | | | 6 | |
| Switched neutral pole Ithe/Ie (220V DC-13) | A/A | 63/63 | 125/125 | 160/160 | 250/250 | 400/400 | - |
| Neutral link Ithe | A | 63 | 125 | 160 | 250 | 400 | 630 |

# HR5 SERIES ISOLATING SWITCH-FUSE

## • APPLICATION

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



## • TECHNICAL PARAMETER CONFORM TO IEC947-3. GB14048.3

| Specification | | | 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 | 425 |
| Rated making capacity | | 380Vcosφ0.35AC-23 | 10 | 10 | | |
| | | 660Vcosφ0.65AC-22 | 3 | | | |
| Rated breaking capacity | | 380Vcosφ0.35AC-23 | 8 | 8 | | |
| | | 660Vcosφ0.65AC-22 | 3 | | | |
| Rated fused short-circuit current | KAr.m.s | 380V AC-23 | 100 | | | |
| | | 660V AC-22 | 50 | | | |
| Max. fuse-link | A | | 160 | 250 | 400 | 630 |
| Fuse type Nt(Rt16) | | | 00 | 1 | 2 | 3 |
| Mechanical enduranced/Electrical enduranced | | ℅operations | 3000/600 | | 1000/200 | |
| Auxiliary switch(380V AC-15)VA | | | 300 | | | |

G