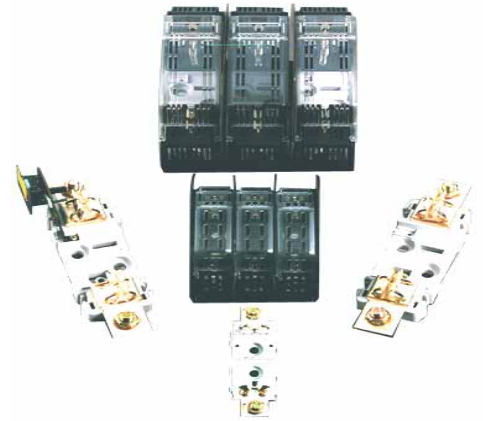


Gear & Fuse gears

IEC General Purpose Fuses
NH Fuses
Plastic Bases



Complying with IEC 60269
DIN VDE 0636 part 21, 201
DIN 43620 (dimensions)

NH fuse bases are available for delivery in single-pole and three-pole designs and can be closely mounted in parallel rows. Each three-pole base is supplied with two phase-partition walls. NH-ISO plugon covers which clip onto the contact springs can also be supplied for these bases.

Ceramic fuse bases in sizes 00 to 3 are provided with a single-part steatite base, while size 4 has a metal baseplate with 2 ceramic bases. Plastic fuse bases have a single-part plastic base.

The stable silver-plated contact springs are made of electrolytic copper and formed from one piece. Separate springing is provided by highly resilient captive steel springs, making the contact invulnerable to high thermal stress.

Size 4 NH fuse bases are designed for size 4 fuse-links with 8 mm contact blades.

Size 4a fuse bases are designed for size 4a fuse-links with 6 mm contact blades.

Applications

NH fuse bases are designed for fuse-links with rated voltages up to 690VAC and 440VDC.

690V Polyester fuse bases for NH fuse-links

- Polyester insulating bases
- Silver-plated contacts
- High-pressure spring contacts (see picture)
- Screw or rail mount

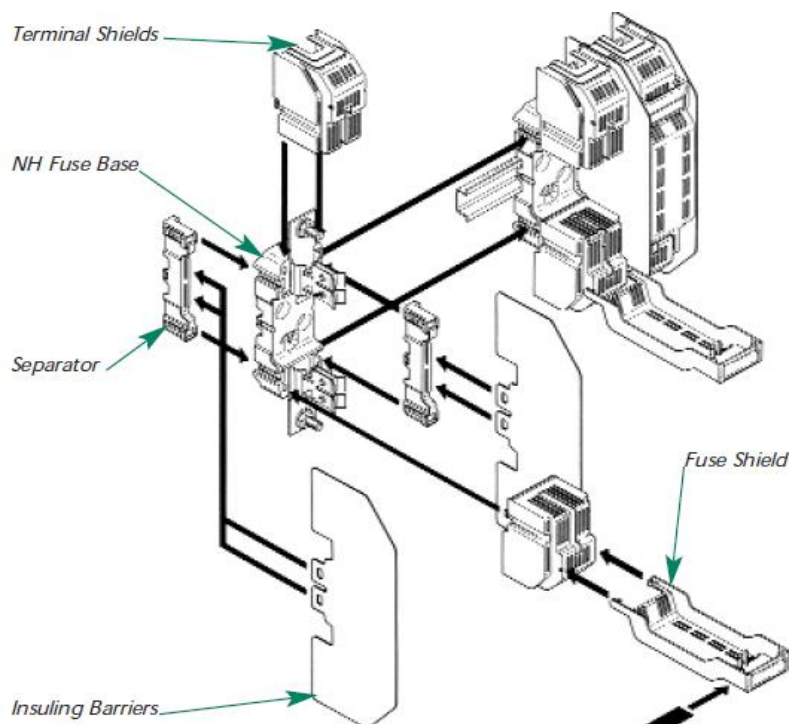


Type EP



Type PP

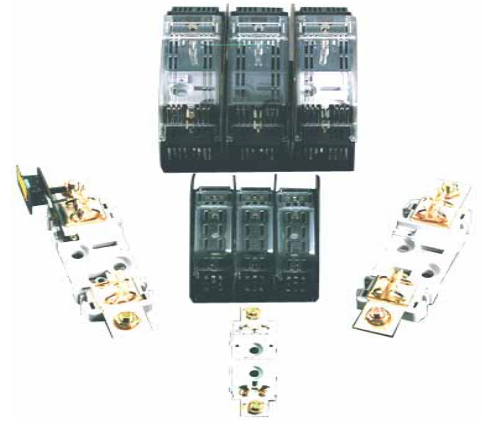
Connection detail



Typical NH Polyester Fuse Base Assembly - Exploded View

Gear & Fuse gears

IEC General Purpose Fuses
NH Fuses
Plastic Bases



00-EP/TP

Characteristics

- Thermoplastic base highly temperature resistant and self-extinguishable
- Silver-plated contacts with high-contact pressure springs
- Multipolar bases possible by direct linkage in 00 size and with separator accessory in sizes 0, 1, 2 and 3
- Variety of options for protecting active parts through use of accessories: separating plates, separator, cover shields and fuse cover
- Dual cable-connection system on 00 size: by screw or clamp
- Connecting cable: 50 mm
- Fixation on rail or by screw

Type 00-EP* - Fuse bases for NH-00 Fuse-links - Power acceptance: 12W

| No of Poles | Connector | Mounting type | Previous reference | Catalog Number | Reference Number | Pack. |
|-------------|-----------|---------------|--------------------|----------------|------------------|-------|
| 1 | Screw | Screw | 41002 | BB001EP | F215170 | 3 |
| 1 | Screw | Rail | 42002 | BB001EPR | R216192 | 3 |
| 1 | Clamp | Screw | 41102 | BB00EPBT | T219805 | 3 |
| 1 | Clamp | Rail | 42102 | BB001EPBR | F200795 | 3 |
| 2 | Screw | Screw | 41012 | BB002EP | A217212 | 2 |
| 2 | Screw | Rail | 42012 | BB002EPR | F218758 | 2 |
| 2 | Clamp | Screw | 41112 | BB002EPB | D200793 | 2 |
| 2 | Clamp | Rail | 42112 | BB002EPBR | T211594 | 2 |
| 3 | Screw | Screw | 41014 | BB003EPVBLOC | W229122 | 1 |
| 3 | Screw | Rail | 42014 | BB003EPRBLOC | V229121 | 1 |
| 3 | Clamp | Screw | 41114 | BB003EPB | W201338 | 1 |
| 3 | Clamp | Rail | 42114 | BB003EPBR | C212108 | 1 |
| 4 | Screw | Screw | 41019 | BB004EP | S219275 | 1 |
| 4 | Screw | Rail | 42019 | BB004EPR | Z223007 | 1 |
| 4 | Clamp | Screw | 41119 | BB004EPB | R211592 | 1 |
| 4 | Clamp | Rail | 42119 | BB004EPBR | M215682 | 1 |

* EP bases have square contacts.



Connection



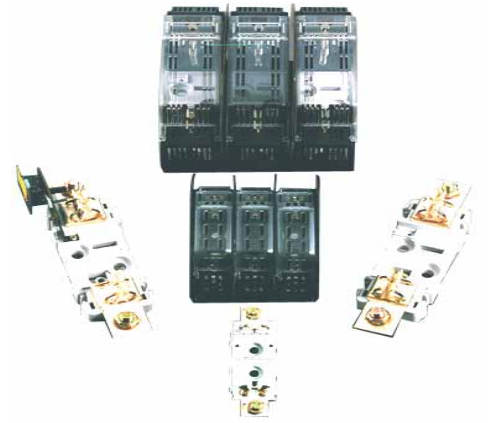
SCREW
CONNECTOR



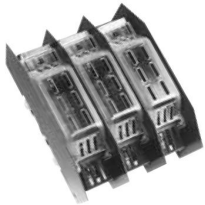
CLAMP
CONNECTOR

Gear & Fuse gears

IEC General Purpose Fuses
NH Fuses
Plastic Bases



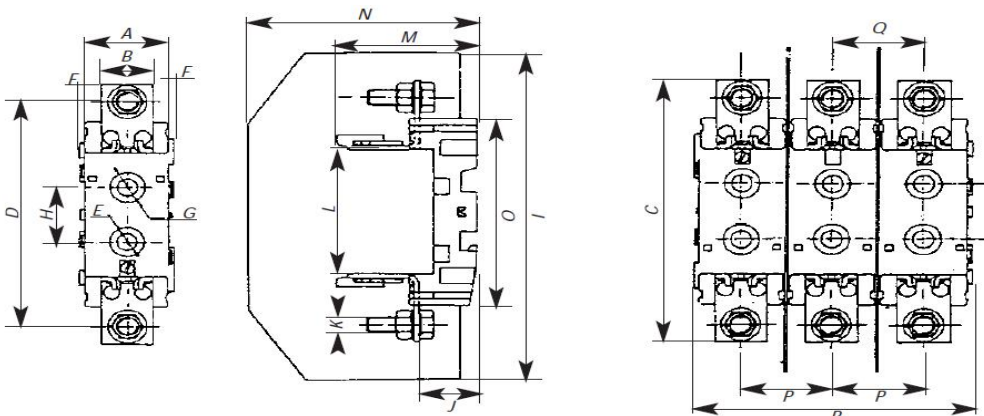
Type 00-TP - IP20 Fuse bases



T229120

| No of Poles | Connector | Mounting type | Previous reference | Catalog Number | Reference Number | Pack. |
|-------------|-----------|---------------|--------------------|----------------|------------------|-------|
| 1 | Screw | Screw | 41003 | BB001FS | M216694 | 3 |
| 1 | Screw | Rail | 42003 | BB001RFS | S218240 | 3 |
| 3 | Screw | Screw | 41015 | BB003SFSBLOC | T229120 | 1 |
| 3 | Screw | Rail | 42015 | BB003RFSBLOC | S229119 | 1 |

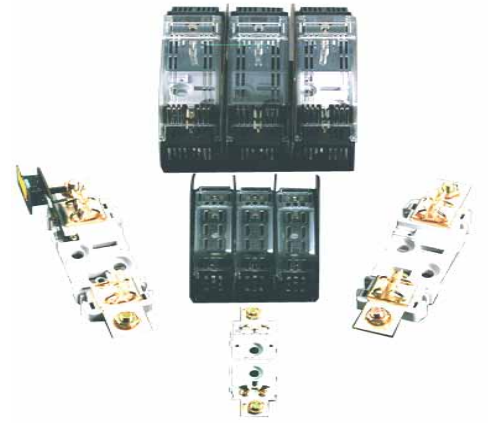
Dimensions (00-EP/TP)



| Letter | Dimension (mm) |
|--------|----------------|
| A | 32 |
| B | 20 |
| C | 117 |
| D | 100 |
| E | 8 |
| F | 2 |
| G | 14 |
| H | 25 |
| I | 145 |
| J | 21.5 |
| K | 8 |
| L | 56 |
| M | 52 |
| N | 85 |
| O | 84 |
| P | 34 |
| Q | 1 |
| R | 104 |

Gear & Fuse gears

IEC General Purpose Fuses
NH Fuses
Plastic Bases



0-EP - 0 to 3 PP

Type 0-EP* - Fuse Bases for NH-0 Fuse-links - Power acceptance: 25W



S216193

| No of Poles | Mounting type | Previous reference | Catalog Number | Reference Number | Pack. |
|-------------|---------------|--------------------|----------------|------------------|-------|
| 1 | Screw | 41202 | BB01EP | B213142 | 3 |
| 1 | Din rail | 42202 | BB01EPR | S216193 | 3 |
| 2 | Screw | 41212 | BB02EP | C214661 | 2 |
| 2 | Din rail | 42212 | BB02EPR | P216696 | 2 |
| 3 | Screw | 41214 | BB03EP | G215171 | 1 |
| 3 | Din rail | 42214 | BB03EPR | C217214 | 1 |
| 4 | Screw | 41219 | BB04EP | Q216191 | 1 |
| 4 | Din rail | 42219 | BB04EPR | J217726 | 1 |

Type 0-PP - Fuse Bases for NH-0 Fuse-links

| No of Poles | Mounting type | Previous reference | Catalog Number | Reference Number | Pack. |
|-------------|---------------|--------------------|----------------|------------------|-------|
| 1 | Screw | 41302 | BB01PP | N216695 | 3 |
| 1 | Din rail | 42302 | BB01PPR | T218241 | 3 |
| 2 | Screw | 41312 | BB02PP | B217213 | 2 |
| 2 | Din rail | 42312 | BB02PPR | G218759 | 2 |
| 3 | Screw | 41314 | BB03PP | G217724 | 1 |
| 3 | Din rail | 42314 | BB03PPR | W219278 | 1 |
| 4 | Screw | 41319 | BB04PP | R218239 | 1 |
| 4 | Din rail | 42319 | BB04PPR | H222486 | 1 |

Type 1-PP - Fuse Bases for NH-1 Fuse-links - Power acceptance: 32W

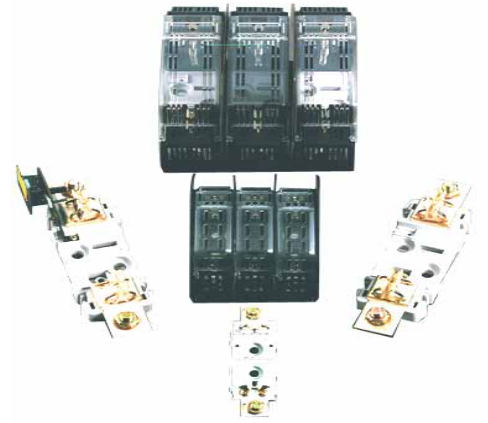


F222484

| No of Poles | Mounting type | Previous reference | Catalog Number | Reference Number | Pack. |
|-------------|---------------|--------------------|----------------|------------------|-------|
| 1 | Screw | 41402 | BB11PP | E218757 | 3 |
| 1 | Din rail | 42402 | BB11PPR | A223008 | 3 |
| 2 | Screw | 41412 | BB12PP | F222484 | 2 |
| 2 | Din rail | 42412 | BB12PPR | G200796 | 2 |
| 3 | Screw | 41414 | BB13PP | Y223006 | 1 |
| 3 | Din rail | 42414 | BB13PPR | Y201340 | 1 |
| 4 | Screw | 41419 | BB14PP | X201339 | 1 |
| 4 | Din rail | 42419 | BB14PPR | H201855 | 1 |

Gear & Fuse gears

IEC General Purpose Fuses
NH Fuses
Plastic Bases



Type 2-PP - Fuse Bases for NH-2 Fuse-links - Power acceptance: 45W



B212107

| No of Poles | Mounting type | Previous reference | Catalog Number | Reference Number | Pack. |
|-------------|---------------|--------------------|----------------|------------------|-------|
| 1 | Screw | 41502 | BB21PP | F201853 | 3 |
| 1 | Din rail | 42502 | BB21PPR | E211075 | 3 |
| 2 | Screw | 41512 | BB22PP | S211593 | 2 |
| 2 | Din rail | 42512 | BB22PPR | V211595 | 2 |
| 3 | Screw | 41514 | BB23PP | B212107 | 1 |
| 3 | Din rail | 42514 | BB23PPR | D212109 | 1 |
| 4 | Screw | 41519 | BB24PP | C213143 | 1 |
| 4 | Din rail | 42519 | BB24PPR | R212627 | 1 |

Type 3-PP - Fuse Bases for NH-3 Fuse-links - Power acceptance: 60W

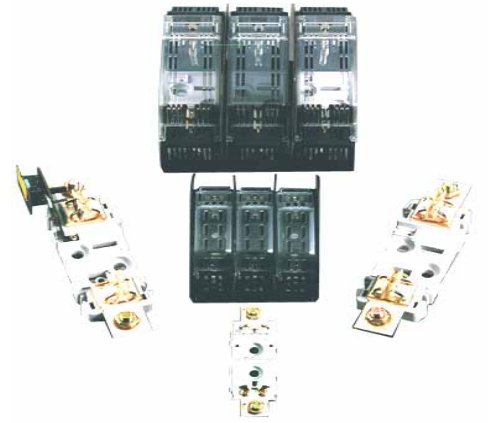
| No of Poles | Mounting type | Previous reference | Catalog Number | Reference Number | Pack. |
|-------------|---------------|--------------------|----------------|------------------|-------|
| 1 | Screw | 41602 | BB31PP | W213643 | 3 |
| 1 | Din rail | 42602 | BB31PPR | X213644 | 3 |
| 2 | Screw | 41612 | BB32PP | D214662 | 2 |
| 2 | Din rail | 42612 | BB32PPR | B214154 | 2 |
| 3 | Screw | 41614 | BB33PP | H215172 | 1 |
| 3 | Din rail | 42614 | BB33PPR | F214664 | 1 |
| 4 | Screw | 41619 | BB34PP | L215681 | 1 |
| 4 | Din rail | 42619 | BB34PPR | K215174 | 1 |

Type 4 - Fuse base for NH-4 Fuse-links

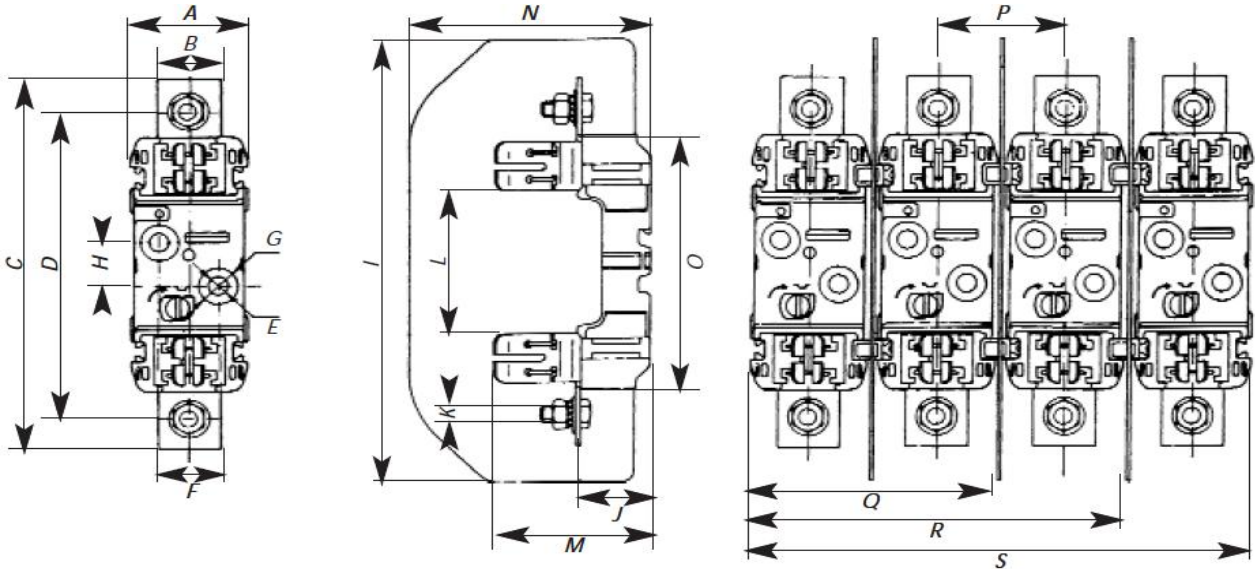
| No of poles | Mounting type | Previous reference | Catalog number | Reference number | Pack. |
|-------------|---------------|--------------------|----------------|------------------|-------|
| 1 | Screw | 40014 | BB41P | W223004 | 1 |

Gear & Fuse gears

IEC General Purpose Fuses
NH Fuses
Plastic Bases



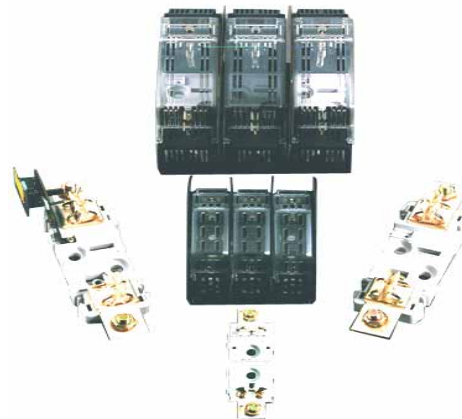
Dimensions of Polyester Fuse - Base for NH Fuse-links



| Letter | Dimension 0-EP (mm) | Dimension 0-PP (mm) | Dimension 1-PP (mm) | Dimension 2-PP (mm) | Dimension 3-PP (mm) | Dimension 4 (mm) |
|--------|---------------------|---------------------|---------------------|---------------------|---------------------|------------------|
| A | 46 | 46 | 60 | 60 | 60 | 85 |
| B | 20 | 25 | 32 | 35 | 40 | 50 |
| C | 168 | 168 | 209 | 225 | 241 | 301 |
| D | 150.5 | 150.5 | 176 | 201 | 210 | 254 |
| E | 7.5 | 7.5 | 10.5 | 10.5 | 10.5 | 14 |
| F | - | - | 30 | 30 | 30 | - |
| G | 14.5 | 14.5 | 20.5 | 20.5 | 20.5 | - |
| H | 25 | 25 | 25 | 25 | 25 | 30 |
| I | 185 | 185 | 250 | 250 | 270 | - |
| J | 29 | 29 | 35 | 35 | 35 | 43 |
| K | M8 | M8 | M10 | M10 | M12 | M16 |
| L | 74 | 75 | 81 | 81 | 81 | 101 |
| M | 59 | 61 | 71 | 89 | 103 | 133 |
| N | 95 | 95 | 122.5 | 122.5 | 142.5 | - |
| O | 122 | 122 | 146 | 146 | 146 | 200 |
| P | 48.5 | 48.5 | 65.5 | 65.5 | 81.5 | - |
| Q | 94 | 94 | 125.5 | 125.5 | 141.5 | - |
| R | 142 | 142 | 191 | 191 | 223 | - |
| S | 190 | 190 | 256.5 | 256.5 | 304.5 | - |

Gear & Fuse gears

IEC General Purpose Fuses
NH Fuses
Plastic Bases



Sizes 00 to 3

Insulating Barriers for Polyester NH Fuse Bases

| Size | Previous reference | Catalog Number | Reference Number |
|-------|--------------------|----------------|------------------|
| 00 | 44502 | BB00CL | W212654 |
| 0 | 44504 | BB0CL | Z213669 |
| 1-2 | 44510 | BB1-2PPCL | J214690 |
| 3 | 44512 | BB3PPCL | Q215708 |
| D0/3* | 84392 | BB001BLOC | B233865 |

* ref number V229121 and W229122 only

Packaging: per 2



Separators

| Size | Previous reference | Catalog Number | Reference Number |
|------|--------------------|----------------|------------------|
| 0 | 44604 | BBPAK0 | V216724 |
| 1-2 | 44610 | BBPAK1-2 | N217753 |
| 3 | 44612 | BBPAK3 | M218787 |

Packaging: per 2



Fuse Shields

| Size | Previous reference | Catalog Number | Reference Number |
|------|--------------------|----------------|------------------|
| 00 | 44802 | BB00COV | G213170 |
| 0 | 44804 | BB0COV | F214181 |
| 1-2 | 44810 | BB1-2COV | K214691 |
| 3 | 44812 | BB3COV | R215709 |

Packaging: per 3



Terminal Shields

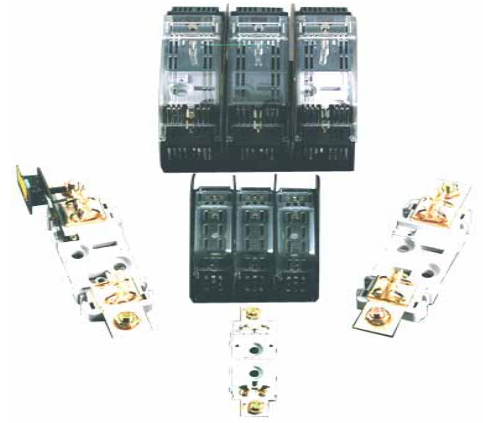
| Size | Previous reference | Catalog Number | Reference Number |
|------|--------------------|----------------|------------------|
| 00 | 44702 | BB00TS | M222513 |
| 0 | 44704 | BB0TS | K200822 |
| 1 | 44708 | BB1TS | L201881 |
| 2 | 44710 | BB2TS | Y211621 |
| 3 | 44712 | BB3TS | X212655 |

Packaging: per 6



Gear & Fuse gears

IEC General Purpose Fuses
NH Fuses
Plastic Bases



Complete references for IP2X Fuse Bases (no microswitch possible)

Fixation on rail

| Size | No of Poles | Catalog Number | Reference Number | Pack. |
|------|-------------|----------------|------------------|-------|
| 00 | 1 | BB01RFS | S218240 | 3 |
| 00 | 3 | BB003RFSBLOC | S229119 | 1 |
| 0 | 1 | BB01EPRFS | G226717 | 3 |
| 0 | 3 | BB03EPRFS | J226719 | 1 |
| 1 | 1 | BB11PPRFS | P226724 | 3 |
| 1 | 3 | BB13PPRFS | Q226725 | 1 |
| 2 | 1 | BB21PPRFS | R226726 | 3 |
| 2 | 3 | BB23PPRFS | S226727 | 1 |
| 3 | 1 | BB31PPRFS | T226728 | 3 |
| 3 | 3 | BB33PPRFS | V226729 | 1 |

Fixation by screw

| Size | No of Poles | Catalog Number | Reference Number | Pack. |
|------|-------------|----------------|------------------|-------|
| 00 | 1 | BB001FS | M216694 | 3 |
| 00 | 3 | BB003SFSBLOC | T229120 | 1 |
| 0 | 1 | BB01PPFS | X226708 | 3 |
| 0 | 3 | BB03PPFS | Z226710 | 1 |
| 1 | 1 | BB11FS | V219806 | 3 |
| 1 | 3 | BB13PP | B226712 | 1 |
| 2 | 1 | BB21PPFS | C226713 | 3 |
| 2 | 3 | BB23PPFS | D226714 | 1 |
| 3 | 1 | BB31PPFS | E226715 | 3 |
| 3 | 3 | BB33PPFS | F226716 | 1 |
| 4 | 1 | BB4A1 | E222161 | 1 |

One Cable - Terminal for NH Bases

| Size | Cable size min (mm) | Cable size max (mm) | Previous reference | Catalog Number | Reference Number | Pack. |
|------|---------------------|---------------------|--------------------|----------------|------------------|-------|
| 00 | 6 | 50 | 45421 | BORNEABF50/60 | Q217755 | 60 |
| 00-0 | 10 | 95 | 45423 | BORNEABF95 | A218270 | 50 |
| 1-2 | 16 | 150 | 45425 | BORNEABF150 | N218788 | 30 |
| 3 | 50 | 240 | 45427 | BORNEABF240 | A219305 | 15 |



N218788

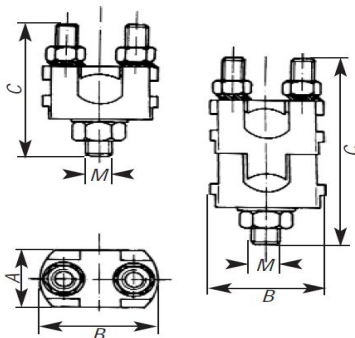
Two Cables - Terminal for NH Bases

| Size | Cable 1 size min (mm) | Cable 1 size max (mm) | Cable 2 size min (mm) | Cable 2 size max (mm) | Previous reference | Catalog Number | Reference Number | Pack. |
|------|-----------------------|-----------------------|-----------------------|-----------------------|--------------------|----------------|------------------|-------|
| 00 | 6 | 50 | 6 | 50 | 45431 | BORNEABF50D | B219835 | 60 |
| 00-0 | 10 | 95 | 10 | 95 | 45433 | BORNEABF95D | P222515 | 30 |
| 1-2 | 25 | 150 | 16 | 150 | 45435 | BORNEABF150D | F223036 | 20 |
| 3 | 95 | 240 | 50 | 240 | 45437 | BORNEABF240D | B201366 | 5 |



F223036

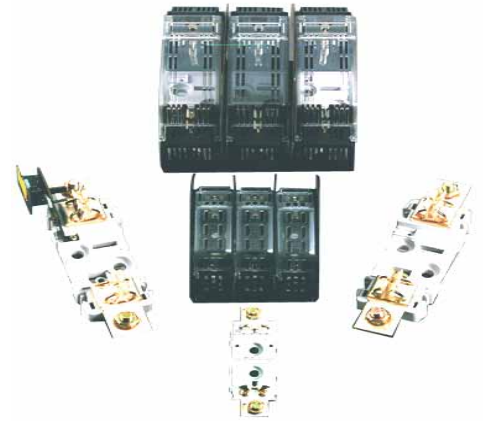
Dimensions of Terminals



| Reference number | A (mm) | B (mm) | C (mm) | M (mm) |
|------------------|--------|--------|--------|--------|
| Q217755 | 18 | 26 | 34 | 6 |
| A218270 | 24 | 35 | 52 | 8 |
| N218788 | 26 | 41 | 58 | 10 |
| A219305 | 36 | 53 | 68 | 12 |
| B219835 | 18 | 26 | 39 | 6 |
| P222515 | 24 | 35 | 82 | 8 |
| F223036 | 26 | 41 | 84 | 10 |
| B201366 | 36 | 53 | 98 | 12 |

Gear & Fuse gears

IEC General Purpose Fuses
NH Fuses
Plastic Bases



Fuse bases 690V for HRC fuse-links NH with striker

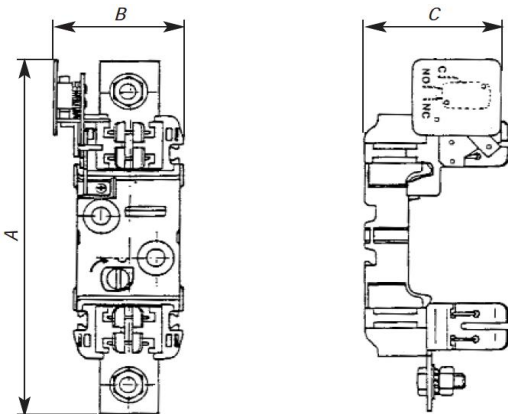
For fuse-links with striker
Rail or screw fixing

Packaging: per 1

| Size | Nominal Current (A) | Previous reference | Catalog Number | Reference Number |
|------|---------------------|--------------------|----------------|------------------|
| 0 | 160 | 42906 | BB01PPMS | T216194 |
| 1 | 250 | 42908 | BB11PPMS | Q216697 |
| 2 | 400 | 42910 | BB21PPMS | D217215 |
| 3 | 630 | 42912 | BB31PPMS | H218760 |



Dimensions



| Size | A (mm) | B (mm) | C (mm) |
|------|--------|--------|--------|
| NH-0 | 192 | 64 | 66 |
| NH-1 | 213 | 93 | 77 |
| NH-2 | 222 | 73 | 82 |
| NH-3 | 233 | 80 | 83 |

Microswitch (sold separately)

Microswitch for NH fuse bases in polyester material (screw or rail fixing).

Microswitch operates when:

- fuse melts
- no fuse-link

Operating voltage: 250VAC

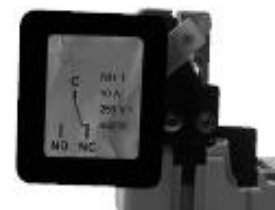
Terminal size: 6.3x0.8mm

Nominal current: 10A

If you are interested in ordering microswitch and NH fuse base separately: T218241 + X219279 same size as T216194 (size 0)

Packaging: per 1

| Size | Nominal Current (A) | Previous reference | Catalog Number | Reference Number |
|------|---------------------|--------------------|----------------|------------------|
| 0 | 160 | 44206 | MSBB01 | X219279 |
| 1 | 250 | 44208 | MSBB11 | Y219809 |
| 2 | 400 | 44210 | MSBB21 | J222487 |
| 3 | 630 | 44212 | MSBB31 | B223009 |



Gear & Fuse gears

IEC General Purpose Fuses NH Fuses Ceramic Bases



Sizes 00 to 4

Complying with **DIN 43620**
IEC 269-2-1
NFC 63210, 63211, 60200
VDE DIN0636

- Insulating base of ceramic material
- Silver-plated contacts with high-contact pressure springs
- For size 4, pressure is assured by a special nut

Size 1 fuse bases accept fuse sizes 0 and 1.

Size 2 fuse bases accept fuses size 1 and 2.

Size 3 fuse bases accept fuses size 1, 2 and 3.

Type EP fuse bases with square contacts.

Type PP fuse bases with clip contacts.

690V Ceramic fuse bases for NH Fuse-links

- Ceramic insulating bases
- Silver plated contacts
- High spring contact pressure
- Screw mounting

Single-Pole Fuse Bases

| Size | Nominal Current (A) | Previous reference | Catalog Number | Reference Number | Pack. |
|-------|---------------------|--------------------|----------------|------------------|-------|
| 00-E | 160 | 40002 | BB001E | Z217211 | 12 |
| 00-EB | 160 | 40003 | EB001 | E217722 | 12 |
| 0-E | 160 | 40004 | BB01E | P218237 | 4 |
| 0-P | 160 | 40006 | BB01P | C218755 | 4 |
| 1-P | 250 | 40008 | BB11P | R219274 | 3 |
| 2-P | 400 | 40010 | BB12P | S219804 | 3 |
| 3-P | 630 | 40012 | BB31P | D222482 | 3 |
| 4-P | 1250 | 40014 | BB41P | W223004 | 1 |



Size 1 fuse base will accept size 0 fuses.
Size 2 fuse base will accept size 1 fuses.
Size 3 fuse base will accept size 1 & 2 fuses.
Size 4 has a special nut to assure contact pressure.
Types E have square contacts.
Types P have pincer contacts.
Type EB have cable connection by clamp.

Three-Pole Fuse Bases

| Size | Nominal Current (A) | Previous reference | Catalog Number | Reference Number | Pack. |
|-------|---------------------|--------------------|----------------|------------------|-------|
| 00-E | 160 | 40502 | BB003E | D201851 | 3 |
| 00-EB | 160 | 40503 | BB003EB | A211071 | 3 |
| 0-E | 160 | 40504 | BB03E | Q211591 | 1 |
| 0-P | 160 | 40506 | BB03P | Z212105 | 1 |
| 1-P | 250 | 40508 | BB13P | T213641 | 1 |
| 2-P | 400 | 40510 | BB23P | Y214151 | 1 |
| 3-P | 630 | 40512 | BB33P | B214660 | 1 |

