



FUSINORM Fuses and Fuseholders - short catalogue



# ITALWEBER

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# Miniature fuses 250V

## Standards

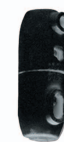
CEI 32-6/1, CEI 32-6/2  
IEC EN 60127-1, IEC EN 60127-2  
UL 248-14  
CSA C22.2



| Amp.  | 5 x 20<br>F quick-acting<br>Normal type |                       | 6,3 x 32<br>F quick-acting<br>Normal type | 5 x 20<br>T time-delay<br>Normal type |                       | 6,3 x 32<br>T time-delay<br>Normal type |
|-------|---|-----------------------|---|---------------------------------------|-----------------------|---|
|       | code                                    | code                  | code                                      | code                                  | code                  | code                                    |
| 32mA  | -                                       | 0400032 <sup>1)</sup> | -   | 0110032                               | 0410032 <sup>1)</sup> | 0310032                                 |
| 40mA  | -                                       | 0400040 <sup>1)</sup> | -   | 0110040                               | 0410040 <sup>1)</sup> | -                                       |
| 50mA  | -                                       | 0400050 <sup>1)</sup> | 0300050                                   | 0110050                               | 0410050 <sup>1)</sup> | 0310050                                 |
| 63mA  | -                                       | 0400063 <sup>1)</sup> | 0300063                                   | 0110063                               | 0410063 <sup>1)</sup> | 0310063                                 |
| 80mA  | -                                       | 0400080 <sup>1)</sup> | 0300080                                   | 0110080                               | 0410080 <sup>1)</sup> | 0310080                                 |
| 100mA | 0100100                                 | 0400100 <sup>1)</sup> | 0300100                                   | 0110100                               | 0410100 <sup>1)</sup> | 0310100                                 |
| 125mA | 0100125                                 | 0400125 <sup>1)</sup> | 0300125                                   | 0110125                               | 0410125               | 0310125                                 |
| 160mA | 0100160                                 | 0400160 <sup>1)</sup> | 0300160                                   | 0110160                               | 0410160               | 0310160                                 |
| 200mA | 0100200                                 | 0400200               | 0300200                                   | 0110200                               | 0410200               | 0310200                                 |
| 250mA | 0100250                                 | 0400250               | 0300250                                   | 0110250                               | 0410250               | 0310250                                 |
| 215mA | 0100315                                 | 0400315               | 0300315                                   | 0110315                               | 0410315               | 0310315                                 |
| 400mA | 0100400                                 | 0400400               | 0300400                                   | 0110400                               | 0410400               | 0310400                                 |
| 500mA | 0100500                                 | 0400500               | 0300500                                   | 0110500                               | 0410500               | 0310500                                 |
| 630mA | 0100630                                 | 0400630               | 0300630                                   | 0110630                               | 0410630               | 0310630                                 |
| 800mA | 0100800                                 | 0400800               | 0300800                                   | 0110800                               | 0410800               | 0310800                                 |
| 1A    | 0101001                                 | 0401001               | 0301001                                   | 0111001                               | 0411001               | 0311001                                 |
| 1,25A | 0101251                                 | 0401251               | 0301251                                   | 0111251                               | 0411251               | 0311251                                 |
| 1,6A  | 0101601                                 | 0401601               | 0301601                                   | 0111601                               | 0411601               | 0311601                                 |
| 2A    | 0102002                                 | 0402002               | 0302002                                   | 0112002                               | 0412002               | 0312002                                 |
| 2,5A  | 0102502                                 | 0402502               | 0302502                                   | 0112502                               | 0412502               | 0312502                                 |
| 3,15A | 0103153                                 | 0403153               | 0303153                                   | 0113153                               | 0413153               | 0313153                                 |
| 4A    | 0104004                                 | 0404004               | 0304004                                   | 0114004                               | 0414004               | 0314004                                 |
| 5A    | 0104005                                 | 0404005               | 0304005                                   | 0114005                               | 0414005               | 0314005                                 |
| 6,3A  | 0104306                                 | 0404306               | 0304306                                   | 0114306                               | 0414306               | 0314306                                 |
| 8A    | 0105008                                 | -                     | 0305008                                   | 0115008                               | 0415008               | 0315008                                 |
| 10A   | 0105010                                 | -                     | 0305010                                   | 0115010                               | 0415010               | 0315010                                 |
| 12A   | 0105012                                 | -                     | 0305012                                   | 0115012                               | 0415012               | 0315012                                 |
| 15A   | 0105015                                 | -                     | 0305015                                   | 0115015                               | 0415015               | 0315015                                 |
| 20A   | 0105020                                 | -                     | 0305020                                   | 0115020                               | -                     | 0315020                                 |
| 25A   | 0105025                                 | -                     | 0305025                                   | 0115025                               | -                     | -                                       |

<sup>1)</sup> only approved

## Fuseholders for miniature fuses



### Panel mounting

| For 5x20 fuses |         |            |             |
|----------------|---------|------------|-------------|
| Amp.           | code    | type       | connection  |
| 10             | 0900125 | HK 52001   | soldering   |
| 6              | 0900131 | HK 52002/1 | soldering   |
| 6,3            | 0900141 | HK 52055   | slip-on 4,8 |

| For 6,3x32 fuses |         |          |             |
|------------------|---------|----------|-------------|
| Amp.             | code    | type     | connection  |
| 10               | 0900175 | HK 63204 | soldering   |
| 10               | 0900180 | HK 63207 | slip-on 6,3 |

| For 10,3x38 fuses |         |          |             |
|-------------------|---------|----------|-------------|
| Amp.              | code    | type     | connection  |
| 30                | 0900500 | HK 10380 | slip-on 6,3 |

### Printed Circuit Board (PCB) mounting

| For 5x20 fuses |         |          |             |
|----------------|---------|----------|-------------|
| Amp.           | code    | type     | description |
| 4              | 0900146 | HK 52020 | fuseholder  |
| -              | 0900148 | HK 52026 | cover       |
| 6              | 0900155 | HK 52007 | fuseholder  |

| For mounting in enclosure |         |            |             |
|---------------------------|---------|------------|-------------|
| Amp.                      | code    | type       | description |
| 10                        | 0900301 | HK 52003/1 | fuseholder  |

| For 6,3x32 fuses |         |            |             |
|------------------|---------|------------|-------------|
| Amp.             | code    | type       | description |
| 30               | 0900111 | HK 63201/2 | fuseholder  |

### In-line

| For 5x20 fuses |         |            |
|----------------|---------|------------|
| Amp.           | code    | type       |
| 10             | 0900154 | HK 52091   |
| 10             | 0900163 | HK 52012/1 |

| For 6,3x32 fuses |         |          |
|------------------|---------|----------|
| Amp.             | code    | type     |
| 10               | 0900158 | HK 63215 |

| For 5x20 and 6,3x32 fuses |         |          |
|---------------------------|---------|----------|
| Amp.                      | code    | type     |
| 10                        | 0900170 | HK 63203 |

# D0 and D fuses

## Standards

CEI 32-1, CEI 32-5  
IEC EN 60269-1  
IEC EN 60269-3  
VDE 0635, VDE 0636



| Amp. | D01<br>gG | D0 400V   |           | D0 400V                  |                          | NDZ     | D 500V       | DIII    | TNDZ       | D 500V             | DIII    |
|------|-----------|-----------|-----------|--------------------------|--------------------------|---------|--------------|---------|------------|--------------------|---------|
|      | code      | D02<br>gG | D03<br>gG | D01<br>gR<br>ultra-quick | D02<br>gR<br>ultra-quick | code    | DII<br>quick | code    | time-delay | DTII<br>time-delay | code    |
| 2    | 1310002   | -         | -         | 1350002                  | -                        | 1211002 | 1221002      | -       | 1212002    | 1222002            | -       |
| 4    | 1310004   | -         | -         | 1350004                  | -                        | 1211004 | 1221004      | -       | 1212004    | 1222004            | -       |
| 6    | 1310006   | -         | -         | 1350006                  | -                        | 1211006 | 1221006      | -       | 1212006    | 1222006            | -       |
| 10   | 1310010   | -         | -         | 1350010                  | -                        | 1211010 | 1221010      | -       | 1212010    | 1222010            | -       |
| 16   | 1310016   | -         | -         | 1350016                  | -                        | 1211016 | 1221016      | -       | 1212016    | 1222016            | -       |
| 20   | -         | 1320020   | -         | -                        | 1360020                  | 1211020 | 1221020      | -       | 1212020    | 1222020            | -       |
| 25   | -         | 1320025   | -         | -                        | 1360025                  | 1211025 | 1221025      | -       | 1212025    | 1222025            | -       |
| 30   | -         | -         | -         | -                        | -                        | 1211030 | 1221030      | 1231030 | 1212030    | 1222030            | 1232030 |
| 35   | -         | 1320035   | -         | -                        | 1360035                  | 1211035 | 1221035      | 1231035 | 1212035    | 1222035            | 1232035 |
| 40   | -         | -         | -         | -                        | -                        | 1211040 | 1221040      | 1231040 | 1212040    | 1222040            | 1232040 |
| 50   | -         | 1320050   | -         | -                        | 1360050                  | 1211050 | 1221050      | 1231050 | 1212050    | 1222050            | 1232050 |
| 63   | -         | 1320063   | -         | -                        | 1360063                  | -       | -            | 1231063 | -          | -                  | 1232063 |
| 80   | -         | -         | 1330080   | -                        | -                        | -       | -            | -       | -          | -                  | -       |
| 100  | -         | -         | 1330100   | -                        | -                        | -       | -            | -       | -          | -                  | -       |

Also available D fuses ultra-quick version

# Fuseholders for D0 and D fuses



Triton type



Type with protection cover



Triton type



Type with protection cover



| Amp. | For D0 fuses |                            |             | Ceramic caps |         | Amp. | For D0 fuses |                            |             | Ceramic caps |         |
|------|--------------|----------------------------|-------------|--------------|---------|------|--------------|----------------------------|-------------|--------------|---------|
|      | type         | code with protection cover | code Triton | type         | code    |      | type         | code with protection cover | code Triton | type         | code    |
| 16   | 1 pole E14   | 2221011                    | 31286       | K01          | 1390214 | 25   | 1 pole E27   | 2322016                    | 31173       | KII          | 1290027 |
| 16   | 3 poles E14  | 2221021                    | 31288       | K01          | 1390214 | 25   | 3 poles E27  | -                          | 31174       | KII          | 1290027 |
| 63   | 1 pole E18   | 2222011                    | 31291       | K02          | 1390218 | 63   | 1 pole E33   | 2323038                    | 31175       | KIII         | 1290033 |
| 63   | 3 poles E18  | 2222021                    | 31293       | K02          | 1390218 | 63   | 3 poles E33  | -                          | 31176       | KIII         | 1290033 |

# CH cylindrical fuses

## Standards

CEI 32-1, CEI 32-4  
IEC EN 60269-1, IEC EN 60269-2  
NFC 60200-60210-60211



| Amp. | 8,5 x 31,5<br>CH8 – 400V |         | 10,3 x 38<br>CH10 – 500V |                       |                       | 14 x 51<br>CH14 – 690V |                       |                       | 22 x 58<br>CH22 – 690V |                       |                       |
|------|--------------------------|---------|--------------------------|-----------------------|-----------------------|------------------------|-----------------------|-----------------------|------------------------|-----------------------|-----------------------|
|      | gG                       | aM      | gG                       | aM                    | aR                    | gG                     | aM                    | aR                    | gG                     | aM                    | aR                    |
| 0,5  | –                        | –       | 1421000                  | 1422000               | –                     | –                      | –                     | –                     | –                      | –                     | –                     |
| 1    | 1411001                  | 1412001 | 1421001                  | 1422001               | –                     | –                      | –                     | –                     | –                      | –                     | –                     |
| 2    | 1411002                  | 1412002 | 1421002                  | 1422002               | –                     | 1431002                | 1432002               | –                     | –                      | –                     | –                     |
| 4    | 1411004                  | 1412004 | 1421004                  | 1422004               | 1460004 <sup>3)</sup> | 1431004                | 1432004               | –                     | 1441004                | –                     | –                     |
| 6    | 1411006                  | 1412006 | 1421006                  | 1422006               | 1460006 <sup>3)</sup> | 1431006                | 1432006               | –                     | 1441006                | 1442006               | –                     |
| 8    | 1411008                  | 1412008 | 1421008                  | 1422008               | 1460008 <sup>3)</sup> | 1431008                | 1432008               | –                     | 1441008                | 1442008               | –                     |
| 10   | 1411010                  | 1412010 | 1421010                  | 1422010               | 1460010 <sup>3)</sup> | 1431010                | 1432010               | 1461010               | 1441010                | 1442010               | –                     |
| 12   | 1411012                  | –       | 1421012                  | 1422012               | 1460012 <sup>3)</sup> | 1431012                | 1432012               | 1461012               | 1441012                | 1442012               | –                     |
| 16   | 1411016                  | –       | 1421016                  | 1422016               | 1460016 <sup>3)</sup> | 1431016                | 1432016               | 1461016               | 1441016                | 1442016               | –                     |
| 20   | 1411020                  | –       | 1421020                  | 1422020 <sup>1)</sup> | 1460020 <sup>3)</sup> | 1431020                | 1432020               | 1461020               | 1441020                | 1442020               | 1462020               |
| 25   | 1411025                  | –       | 1421025                  | 1422025 <sup>1)</sup> | 1460025 <sup>3)</sup> | 1431025                | 1432025               | 1461025               | 1441025                | 1442025               | 1462025               |
| 32   | –                        | –       | 1421032 <sup>1)</sup>    | 1422032 <sup>1)</sup> | 1460032 <sup>3)</sup> | 1431032 <sup>2)</sup>  | 1432032 <sup>2)</sup> | 1461032               | 1441032                | 1442032               | 1462032               |
| 40   | –                        | –       | –                        | –                     | –                     | 1431040 <sup>2)</sup>  | 1432040 <sup>2)</sup> | 1461040 <sup>3)</sup> | 1441040                | 1442040               | 1462040               |
| 50   | –                        | –       | –                        | –                     | –                     | 1431050 <sup>1)</sup>  | 1432050 <sup>1)</sup> | 1461050 <sup>2)</sup> | 1441050                | 1442050               | 1462050               |
| 63   | –                        | –       | –                        | –                     | –                     | –                      | –                     | –                     | 1441063                | 1442063               | 1462063               |
| 80   | –                        | –       | –                        | –                     | –                     | –                      | –                     | –                     | 1441080 <sup>2)</sup>  | 1442080 <sup>2)</sup> | 1462080 <sup>3)</sup> |
| 100  | –                        | –       | –                        | –                     | –                     | –                      | –                     | –                     | 1441099 <sup>2)</sup>  | 1442099 <sup>2)</sup> | 1462100 <sup>2)</sup> |
| 125  | –                        | –       | –                        | –                     | –                     | –                      | –                     | –                     | 1441100 <sup>1)</sup>  | 1442100 <sup>1)</sup> | –                     |

<sup>1)</sup> 400V

<sup>2)</sup> 500V

<sup>3)</sup> 600V

CH14 and CH22 fuses with fusion indicator or striker are also available

# BCH fuseholders for CH cylindrical fuses

## Standards

IEC EN 60269-1  
IEC EN 60269-2  
IEC EN 60947-3  
VDE 0636



| Poles | For fuses<br>10,3 x 38 |           | For fuses<br>14 x 51 |                          | For fuses<br>22 x 58 |                          | For fuses<br>10,3 x 38 – CC class <sup>5)</sup> |                         |
|-------|------------------------|-----------|----------------------|--------------------------|----------------------|--------------------------|---|-------------------------|
|       | code                   | type      | code                 | type                     | code                 | type                     | code  | type                    |
| 1     | 2301038                | BCH 1x38  | 2301051              | BCH 1x51                 | 2301058              | BCH 1x58                 | 2306138   | BCC 1x38                |
| 1+N   | 2301137 <sup>2)</sup>  | NBCH 1x38 | –                    | –                        | –                    | –                        | –   | –                       |
| 1+N   | 2301138                | BCH 1x38N | 2301151              | BCH 1x51N                | 2301158              | BCH 1x58N                | –   | –                       |
| 2     | 2302038                | BCH 2x38  | 2302051              | BCH 2x51                 | 2302058              | BCH 2x58                 | 2306238   | BCC 2x38                |
| 3     | 2303038                | BCH 3x38  | 2303051              | BCH 3x51                 | 2303058              | BCH 3x58                 | 2306338   | BCC 3x38                |
| 3+N   | 2303137 <sup>3)</sup>  | NBCH 3x38 | –                    | –                        | –                    | –                        | –   | –                       |
| 3+N   | 2303138                | BCH 3x38N | 2303151              | BCH 3x51N                | 2303158              | BCH 3x58N                | –   | –                       |
| 1     | 2304138 <sup>1)</sup>  | SBCH 1x38 | 2304151              | SBCH 1x51 <sup>1)</sup>  | 2304158              | SBCH 1x58 <sup>1)</sup>  | 2307138   | SBCC 1x38 <sup>1)</sup> |
| 3     | 2304338 <sup>1)</sup>  | SBCH 3x38 | 2304351              | SBCH 3x51 <sup>1)</sup>  | 2304358              | SBCH 3x58 <sup>1)</sup>  | 2307338   | SBCC 3x38 <sup>1)</sup> |
| 1     | –                      | –         | 2305051              | BCH/P 1x51 <sup>4)</sup> | 2305058              | BCH/P 1x58 <sup>4)</sup> | –   | –                       |
| 3     | –                      | –         | 2305351              | BCH/P 3x51 <sup>4)</sup> | 2305358              | BCH/P 3x58 <sup>4)</sup> | –   | –                       |

<sup>1)</sup> LED equipped for fusion indication    <sup>2)</sup> 1P+N in one module    <sup>3)</sup> 3P+N in three modules    <sup>4)</sup> with microswitch for remote fusion indication

<sup>5)</sup> For fuses class CC see at page 6

BCH10, BCH14, BCH22 types are approved, in exception of NBCH 1x38 and NBCH 3x38; BCC type are approved

# NH blade type fuses

## Standards

CEI 32-1, CEI 32-4, CEI 32-7  
IEC EN 60269-1, IEC EN 60269-2  
IEC EN 60269-4  
VDE 0636  
DIN 43620



| Amp. | Size 000-00              |                       |               | Size 0                   |            |               | Size 1C-1                |            |               |
|------|--------------------------|-----------------------|---------------|--------------------------|------------|---------------|--------------------------|------------|---------------|
|      | 500V <sup>1)</sup><br>gG | 690V<br>aM            | 690V<br>gR/aR | 500V <sup>1)</sup><br>gG | 690V<br>aM | 690V<br>gR/aR | 500V <sup>1)</sup><br>gG | 690V<br>aM | 690V<br>gR/aR |
| 6    | 1500606                  | 1602006               | -             | 1505006                  | 1507006    | -             | -                        | -          | -             |
| 10   | 1500610                  | 1602010               | -             | 1505010                  | 1507010    | -             | -                        | -          | -             |
| 16   | 1500616                  | 1602016               | 1543016       | 1505016                  | 1507016    | -             | -                        | -          | -             |
| 20   | 1500620                  | 1602020               | 1543020       | 1505020                  | 1507020    | -             | -                        | -          | -             |
| 25   | 1500625                  | 1602025               | 1543025       | 1505025                  | 1507025    | 1544025       | -                        | -          | -             |
| 35   | 1500635                  | 1602035               | 1543035       | 1505036                  | 1507036    | 1544035       | -                        | 1612036    | -             |
| 40   | 1500640                  | 1602040               | 1543040       | 1505040                  | -          | 1544040       | 1510040                  | -          | -             |
| 50   | 1500650                  | 1602050               | 1543050       | 1505050                  | 1507050    | 1544050       | 1510050                  | 1612050    | 1545050       |
| 63   | 1500663                  | 1602063               | 1543063       | 1505063                  | 1507063    | 1544063       | 1510063                  | 1612063    | 1545063       |
| 80   | 1500680                  | 1602080 <sup>2)</sup> | 1543080       | 1505080                  | 1507080    | 1544080       | 1510080                  | 1612080    | 1545080       |
| 100  | 1500690                  | 1602100 <sup>2)</sup> | 1543100       | 1505100                  | 1507100    | 1544100       | 1510100                  | 1612100    | 1545100       |
| 125  | 1500125                  | 1602125 <sup>2)</sup> | 1543125       | 1505125                  | 1507125    | 1544125       | 1510125                  | 1612125    | 1545125       |
| 160  | 1500160                  | 1602160 <sup>2)</sup> | 1543160       | 1505160                  | 1507160    | 1544160       | 1510160                  | 1612160    | 1545160       |
| 200  | -                        | -                     | -             | -                        | -          | -             | 1510200                  | 1612200    | 1545200       |
| 250  | -                        | -                     | -             | -                        | -          | -             | 1510250                  | 1612250    | 1545250       |
| 315  | -                        | -                     | -             | -                        | -          | -             | -                        | -          | -             |
| 355  | -                        | -                     | -             | -                        | -          | -             | -                        | -          | -             |
| 400  | -                        | -                     | -             | -                        | -          | -             | -                        | -          | -             |
| 500  | -                        | -                     | -             | -                        | -          | -             | -                        | -          | -             |
| 630  | -                        | -                     | -             | -                        | -          | -             | -                        | -          | -             |
| 700  | -                        | -                     | -             | -                        | -          | -             | -                        | -          | -             |
| 800  | -                        | -                     | -             | -                        | -          | -             | -                        | -          | -             |
| 1000 | -                        | -                     | -             | -                        | -          | -             | -                        | -          | -             |
| 1250 | -                        | -                     | -             | -                        | -          | -             | -                        | -          | -             |

The fuses type gG 500V are Kombi version with dual indicator

<sup>1)</sup> Also available at 690V

<sup>2)</sup> 500V

# NHD/NHU fuse bases for NH fuses



| Amp. | One pole |                       |         |                    |         | Three poles |                             |         |                             |         |
|------|----------|-----------------------|---------|--------------------|---------|-------------|-----------------------------|---------|-----------------------------|---------|
|      | size     | fixing on<br>DIN rail | code    | fixing<br>by screw | code    | size        | fixing on<br>DIN rail       | code    | fixing<br>by screw          | code    |
| 160  | 00       | NHU-00 DIN-S          | 2502010 | NHD-00             | 2541005 | 00          | NHU-00 DINx3S <sup>1)</sup> | 2503210 | NHU-00 DINx3S <sup>1)</sup> | 2503210 |
| 160  | 0        | NHU-0 DIN-S           | 2540010 | NHD-0              | 2541010 | 0           | NHU-0 DINx3S                | 2503000 | NHD-0x3S                    | 2543010 |
| 250  | 1        | NHU-1 DIN-S           | 2540110 | NHD-1              | 2541110 | 1           | NHU-1 DINx3S                | 2503011 | NHD-1x3S                    | 2543011 |
| 400  | 2        | NHU-2 DIN-S           | 2540210 | NHD-2              | 2541210 | 2           | NHU-2 DINx3S                | 2503012 | NHD-2x3S                    | 2543012 |
| 630  | 3        | NHU-3 DIN-S           | 2540310 | NHD-3              | 2541310 | 3           | NHU-3 DINx3S                | 2503013 | NHD-3x3S                    | 2543013 |
| 1250 | 4        | -                     | -       | NHK-4S             | 2541415 | -           | -                           | -       | -                           | -       |

The fuses bases for fixing on DIN rail can also be fixed by screw

<sup>1)</sup> Type Kombi, can be fixed on DIN rail and also by screw

# NH blade type fuses



| Amp. | Size 2C-2                |            |               | Size 3C-3                |                       |               | Size 4<br>500V<br>gG | Amp. | Size 000           | Size 00             |
|------|--------------------------|------------|---------------|--------------------------|-----------------------|---------------|----------------------|------|--------------------|---------------------|
|      | 500V <sup>1)</sup><br>gG | 690V<br>aM | 690V<br>gR/aR | 500V <sup>1)</sup><br>gG | 690V<br>aM            | 690V<br>gR/aR |                      |      | T/80-690V<br>gR/aR | TN/80-690V<br>gR/aR |
|      | code                     | code       | code          | code                     | code                  | code          | code                 |      | code               | code                |
| 6    | -                        | -          | -             | -                        | -                     | -             | -                    | 6    | -                  | -                   |
| 10   | -                        | -          | -             | -                        | -                     | -             | -                    | 10   | 1750010            | -                   |
| 16   | -                        | -          | -             | -                        | -                     | -             | -                    | 16   | 1750016            | -                   |
| 20   | -                        | -          | -             | -                        | -                     | -             | -                    | 20   | 1750020            | -                   |
| 25   | -                        | -          | -             | -                        | -                     | -             | -                    | 25   | 1750025            | 1558025             |
| 35   | -                        | -          | -             | -                        | -                     | -             | -                    | 32   | 1750032            | 1558032             |
| 40   | -                        | -          | -             | -                        | -                     | -             | -                    | 40   | 1750040            | 1558040             |
| 50   | -                        | -          | -             | -                        | -                     | -             | -                    | 50   | 1750050            | 1558050             |
| 63   | -                        | 1622063    | -             | -                        | -                     | -             | -                    | 63   | 1750063            | 1558063             |
| 80   | -                        | 1622080    | 1546080       | -                        | -                     | -             | -                    | 80   | 1750080            | 1558080             |
| 100  | 1520100                  | 1622100    | 1546100       | -                        | -                     | -             | -                    | 100  | 1750100            | 1558100             |
| 125  | 1520125                  | 1622125    | 1546125       | -                        | -                     | -             | -                    | 125  | 1750125            | 1558125             |
| 160  | 1520160                  | 1622160    | 1546160       | -                        | -                     | -             | -                    | 160  | 1750160            | 1558160             |
| 200  | 1520200                  | 1622200    | 1546200       | -                        | 1632200               | -             | -                    | 200  | 1750200            | 1558200             |
| 250  | 1520250                  | 1622250    | 1546250       | -                        | 1632250               | 1547250       | -                    | 250  | 1750250            | 1558250             |
| 315  | 1520315                  | 1622315    | 1546315       | 1530315                  | 1632315               | 1547315       | -                    | 315  | 1750315            | 1558315             |
| 355  | 1520355                  | 1622355    | 1546355       | -                        | 1632355               | 1547355       | -                    | 350  | -                  | 1558350             |
| 400  | 1520400                  | 1622400    | 1546400       | 1530400                  | 1632400               | 1547400       | -                    | 400  | -                  | 1558400             |
| 500  | -                        | -          | -             | 1530500                  | 1632500 <sup>2)</sup> | 1547500       | -                    | 500  | -                  | -                   |
| 630  | -                        | -          | -             | 1530630                  | 1632630 <sup>2)</sup> | 1547630       | -                    | 630  | -                  | -                   |
| 700  | -                        | -          | -             | -                        | -                     | -             | 1541700              | 700  | -                  | -                   |
| 800  | -                        | -          | -             | -                        | -                     | -             | 1541800              | 800  | -                  | -                   |
| 1000 | -                        | -          | -             | -                        | -                     | -             | 1541899              | 1000 | -                  | -                   |
| 1250 | -                        | -          | -             | -                        | -                     | -             | 1541999              | 1250 | -                  | -                   |

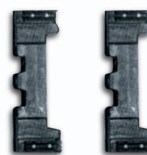
The fuses type gG 500V are Kombi version with dual indicator

<sup>1)</sup> Also available at 690V

<sup>2)</sup> 500V

Fixing by screw

## IP20 protection accessories for NHD/NHU fuse bases



| Size       | Covers for clamps protection |         | Transparent protection cover |         | Adaptors for base union |         | Partition walls |         |
|------------|------------------------------|---------|------------------------------|---------|-------------------------|---------|-----------------|---------|
|            | type                         | code    | type                         | code    | type                    | code    | type            | code    |
| 00         | 00-WC 2 pcs. kit             | 2590180 | 00-WCT                       | 2590195 | T20                     | 2590402 | 00-WS           | 2590705 |
| 00 3 poles | 00-WB Kombi                  | 2590181 | 00-WCT                       | 2590195 | -                       | -       | -               | -       |
| 0          | 0-WC 2 pcs. kit              | 2590183 | 0-WCT                        | 2590197 | T21                     | 2590399 | 0-WS            | 2590707 |
| 1          | 1-WC 2 pcs. kit              | 2590185 | 1/2-WCT                      | 2590200 | T22                     | 2590400 | 1/2-WS          | 2590710 |
| 2          | 2-WC 2 pcs. kit              | 2590187 | 1/2-WCT                      | 2590200 | T22                     | 2590400 | 1/2-WS          | 2590710 |
| 3          | 3-WC 2 pcs. kit              | 2590190 | 3-WCT                        | 2590205 | T23                     | 2590401 | 3-WS            | 2590715 |

# BS88 ultra-quick fuses

## Standards

CEI 32-1, CEI 32-7  
IEC EN 60269-1, IEC EN 60269-4  
BS 88 : 4



| Amp. | 240V    |         | 690V    |          | Amp. | 240V    |          | 690V    |          |
|------|---------|---------|---------|----------|------|---------|----------|---------|----------|
|      | code    | type    | code    | type     |      | code    | type     | code    | type     |
| 6    | 1734005 | LCT6    | 1743005 | FC6      | 140  | -       | -        | 1743149 | W-660FHM |
| 10   | 1734010 | LCT10   | 1743010 | FC10     | 160  | 1734159 | W-250GH  | 1743161 | W-660GW  |
| 12   | 1734012 | LCT12   | 1743012 | FC12     | 160  | 1734160 | W-250GW  | 1743160 | W-660FHM |
| 16   | 1734015 | LCT16   | 1743015 | FC16     | 180  | 1734180 | W-250GH  | 1743180 | W-660GW  |
| 20   | 1734020 | LCT20   | 1743020 | FC20     | 200  | 1734200 | W-250GW  | 1743200 | W-660GW  |
| 25   | 1734025 | W-250GH | 1743025 | W-660GH  | 200  | -       | -        | 1743201 | W-660GHW |
| 32   | 1734032 | W-250GH | 1743032 | W-660GH  | 200  | -       | -        | 1743199 | W-660FHM |
| 35   | 1734035 | W-250GH | 1743035 | W-660GH  | 225  | -       | -        | 1743235 | W-660GHW |
| 40   | -       | -       | 1743040 | W-660GH  | 250  | 1734250 | W-250GW  | 1743250 | W-660GW  |
| 45   | -       | -       | 1743045 | W-660GH  | 315  | 1734315 | W-250GW  | 1743315 | W-660GW  |
| 50   | 1734050 | W-250GH | 1743050 | W-660GH  | 315  | -       | -        | 1743300 | W-660GHW |
| 56   | -       | -       | 1743055 | W-660GH  | 350  | -       | -        | 1743351 | W-660GW  |
| 63   | 1734063 | W-250GH | 1743063 | W-660GH  | 355  | 1734350 | W-250GW  | 1743350 | W-660GHW |
| 71   | -       | -       | 1743074 | W-660GH  | 400  | 1734401 | W-250GHW | 1743401 | W-660GHW |
| 80   | 1734080 | W-250GH | 1743080 | W-660GH  | 450  | 1734450 | W-250GW  | 1743450 | W-660GHW |
| 90   | -       | -       | 1743090 | W-660GH  | 500  | 1734500 | W-250GHW | 1743500 | W-660GHW |
| 90   | -       | -       | 1743085 | W-660FHM | 630  | 1734630 | W-250GHW | 1743630 | W-660GHW |
| 100  | 1734100 | W-250GH | 1743100 | W-660GH  | 700  | -       | -        | 1743710 | W-660GHW |
| 110  | -       | -       | 1743110 | W-660FHM | 710  | 1734710 | W-250GHW | -       | -        |
| 120  | -       | -       | 1743125 | W-660FHM | 800  | 1734800 | W-250GHW | -       | -        |
| 125  | 1734125 | W-250GH | -       | -        | -    | -       | -        | -       | -        |

Fuseholders and fuse clips for microswitch are available by request

# UL standard fuses

## Standards

UL 248-9, UL 248-14  
UL 248-6, UL 248-12  
CSA C22.2



| Amp. | 10,3 x 38 - 250V<br>UL10F<br>fast | 10,3 x 38 - 600V<br>UL10F<br>fast | 10,3 x 38 - 250V<br>UL10T<br>time-delay | 10,3 x 38 - 500V<br>UL10T<br>time-delay | 10,3 x 38 - 600V<br>UL10F CC<br>fast KTK-R | 10,3 x 38 - 600V<br>UL10T CC<br>time-delay FNQ-R | 10,3 x 38 - 600V<br>UL10T CC<br>time-delay LP-CC |
|------|-----------------------------------|-----------------------------------|---|---|--|--|--|
|      | code                              | code                              | code                                    | code                                    | code                                       | code   | code   |
| 1    | 1800001                           | 1800201                           | 1800101                                 | 1800301                                 | 1808001                                    | 1809001  | 1808051  |
| 2    | 1800002                           | 1800202                           | 1800102                                 | 1800302                                 | 1808002                                    | 1809002  | 1808052  |
| 3    | 1800003                           | 1800203                           | 1800103                                 | 1800303                                 | 1808003                                    | 1809003  | 1808053  |
| 4    | 1800004                           | 1800204                           | 1800104                                 | 1800304                                 | 1808004                                    | 1809004  | 1808054  |
| 5    | 1800005                           | 1800205                           | 1800105                                 | 1800305                                 | 1808005                                    | 1809005  | 1808055  |
| 6    | 1800006                           | 1800206                           | 1800106                                 | 1800306                                 | 1808006                                    | 1809006  | 1808056  |
| 7    | -                                 | -                                 | 1800107                                 | 1800307                                 | -  | 1809007  | 1808057  |
| 8    | 1800008                           | 1800208                           | 1800108                                 | 1800308                                 | 1808008                                    | 1809008  | 1808058  |
| 9    | 1800009                           | -                                 | 1800109                                 | 1800309                                 | -  | 1809009  | 1808059  |
| 10   | 1800010                           | 1800210                           | 1800110                                 | 1800310                                 | 1808010                                    | 1809010  | 1808060  |
| 12   | 1800012                           | 1800212                           | 1800112                                 | 1800312                                 | -  | 1809012  | 1808062  |
| 15   | 1800015                           | 1800215                           | 1800115                                 | 1800315                                 | 1808015                                    | 1809015  | 1808065  |
| 20   | 1800020 <sup>1)</sup>             | 1800220                           | 1800120                                 | 1800320                                 | 1808020                                    | 1809020  | 1808070  |
| 25   | 1800025 <sup>1)</sup>             | 1800225                           | 1800125                                 | 1800325                                 | 1808025                                    | 1809025  | 1808075  |
| 30   | 1800030 <sup>1)</sup>             | 1800230                           | 1800130                                 | 1800330                                 | 1808030                                    | 1809030  | 1808080  |

Sizes 14x51 - 21x76 - 27x149 - 34x200 - 40x181 - 46x244 - 53x219 - 66x264 - 66x295 - 80x340 are also available; fast and time-delay types; 250 and 600 V. With fuse bases until 600A.

<sup>1)</sup> Not approved



# FMT - Medium Voltage Fuses

## Standards

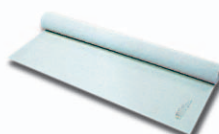
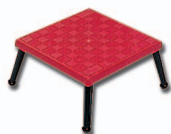
CEI-32.3  
IEC EN 60282-1  
VDE 0670  
DIN 43625



| Amp. | FMT - 7,2kV<br>length 258mm |                | FMT - 12kV<br>length 358mm |                | FMT - 17,5kV<br>length 433mm |                | FMT - 24kV<br>length 508mm |                | FMT - 36kV<br>length 603mm |                |
|------|-----------------------------|----------------|----------------------------|----------------|------------------------------|----------------|----------------------------|----------------|----------------------------|----------------|
|      | code                        | diameter<br>mm | code                       | diameter<br>mm | code                         | diameter<br>mm | code                       | diameter<br>mm | code                       | diameter<br>mm |
| 2    | 1904002                     | 53             | 1900002                    | 53             | 1901002                      | 53             | 1902002                    | 53             | 1903002                    | 53             |
| 4    | 1904004                     | 53             | 1900004                    | 53             | 1901004                      | 53             | 1902004                    | 53             | 1903004                    | 53             |
| 6,3  | 1904006                     | 53             | 1900006                    | 53             | 1901006                      | 53             | 1902006                    | 53             | 1903006                    | 53             |
| 10   | 1904010                     | 53             | 1900010                    | 53             | 1901010                      | 53             | 1902010                    | 53             | 1903010                    | 53             |
| 16   | 1904016                     | 53             | 1900016                    | 53             | 1901016                      | 53             | 1902016                    | 53             | 1903016                    | 53             |
| 20   | 1904020                     | 53             | 1900020                    | 53             | 1901020                      | 53             | 1902020                    | 53             | 1903020                    | 53             |
| 25   | 1904025                     | 53             | 1900025                    | 53             | 1901025                      | 53             | 1902025                    | 53             | 1903025                    | 68             |
| 32   | 1904032                     | 53             | 1900032                    | 53             | 1901032                      | 53             | 1902032                    | 53             | 1903032                    | 68             |
| 40   | 1904040                     | 53             | 1900040                    | 53             | 1901040                      | 53             | 1902040                    | 53             | 1903040                    | 68             |
| 50   | 1904050                     | 68             | 1900050                    | 68             | 1901050                      | 68             | 1902050                    | 68             | 1903050                    | 85             |
| 63   | 1904063                     | 68             | 1900063                    | 68             | 1901063                      | 68             | 1902063                    | 68             | 1903063                    | 85             |
| 80   | 1904080                     | 68             | 1900080                    | 68             | 1901080                      | 68             | 1902080                    | 68             | 1903080                    | 85             |
| 100  | 1904100                     | 85             | 1900100                    | 85             | 1901100                      | 85             | 1902100                    | 85             | 1903100                    | 85             |
| 125  | 1904125                     | 85             | 1900125                    | 85             | 1901125                      | 85             | 1902125                    | 85             | -                          | -              |
| 160  | 1904160                     | 85             | 1900160                    | 85             | 1901160                      | 85             | -                          | -              | -                          | -              |

Also available FMT fuses with thermal striker (add "S" to the code for 80N or "T" for 120N striker)

## Accessories for Medium Voltage applications



| Insulating gloves |         |                                    |
|-------------------|---------|------------------------------------|
| code              | type    | description                        |
| 1910001           | GI 2,5  | Insulating gloves 2,5kV (class 00) |
| 1910002           | GI 5    | Insulating gloves 5kV (class 0)    |
| 1910003           | GI 10   | Insulating gloves 10kV (class 1)   |
| 1910000           | GI 20   | Insulating gloves 20kV (class 2)   |
| 1910010           | GI 30   | Insulating gloves 30kV (class 3)   |
| 1910015           | GI 40   | Insulating gloves 40kV (class 4)   |
| 1910020           | Cust/GI | PVC bag for insulating gloves      |

| Insulating foot-board |       |                            |
|-----------------------|-------|----------------------------|
| code                  | type  | description                |
| 1910040               | WI 30 | Insulating foot-board 30kV |

| Insulating carpet |          |                        |
|-------------------|----------|------------------------|
| code              | type     | description            |
| 1910030           | WI 3/100 | Insulating carpet 30kV |
| 1910035           | WI 6/100 | Insulating carpet 40kV |

| Fuses bases for indoor applications |             |                                    |
|-------------------------------------|-------------|------------------------------------|
| code                                | type        | description                        |
| 1905005                             | BPIMT5      | 7,2kV for indoor                   |
| 1905010                             | BPIMT10     | 12kV for indoor                    |
| 1905015                             | BPIMT15     | 17,5kV for indoor                  |
| 1905020                             | BPIMT20     | 24kV for indoor                    |
| 1905030                             | BPIMT30     | 36kV for indoor                    |
| 1905011                             | BPIMT10 aux | 12kV for indoor with microswitch   |
| 1905016                             | BPIMT15 aux | 17,5kV for indoor with microswitch |
| 1905021                             | BPIMT20 aux | 24kV for indoor with microswitch   |
| 1905031                             | BPIMT30 aux | 36kV for indoor with microswitch   |

| Fuses bases for outdoor applications |         |                    |
|--------------------------------------|---------|--------------------|
| code                                 | type    | description        |
| 1906010                              | BPFMT10 | 12kV for outdoor   |
| 1906015                              | BPFMT15 | 17,5kV for outdoor |
| 1906020                              | BPFMT20 | 24kV for outdoor   |
| 1906030                              | BPFMT30 | 36kV for outdoor   |

# SOLAR - CH and NH fuses for photovoltaic applications

## Standards

IEC EN 60269  
IEC EN 60269-2  
IEC EN 60269-4



| Amp. | 1000V DC gPV          | CH10 10,3x38<br>1000V DC gPV | 1000V DC gPV/SU type  |
|------|-----------------------|------------------------------|-----------------------|
|      | code                  | code                         | code                  |
| 1    | 1465001               | 1463001                      | -                     |
| 2    | 1465002               | 1463002                      | 1468002               |
| 3    | 1465003               | 1463003                      | -                     |
| 4    | 1465004               | 1463004                      | 1468004               |
| 5    | 1465005               | 1463005                      | -                     |
| 6    | 1465006               | 1463006                      | 1468006               |
| 7    | 1465007               | -                            | -                     |
| 8    | 1465008               | 1463008                      | 1468008               |
| 10   | 1465010               | 1463010                      | 1468010               |
| 12   | 1465012               | 1463012                      | 1468012               |
| 14   | 1465014               | -                            | -                     |
| 15   | 1465015               | 1463015                      | -                     |
| 16   | 1465016               | 1463016                      | 1468016               |
| 20   | 1465020               | 1463020                      | 1468020               |
| 25   | 1465025 <sup>1)</sup> | -                            | 1468025 <sup>1)</sup> |

<sup>1)</sup> 900V DC

| Amp. | NH 750V DC gPV |         | NH 1000V DC gPV |         | NH 1100V DC gPV        |                        |                       |
|------|----------------|---------|-----------------|---------|------------------------|------------------------|-----------------------|
|      | size 0         | size 1C | size 0          | size 1C | size 1XL <sup>1)</sup> | size 2XL <sup>2)</sup> | size 3L <sup>2)</sup> |
|      | code           | code    | code            | code    | code                   | code                   | code                  |
| 32   | 1650032        | 1651032 | 1660032         | 1661032 | -                      | -                      | -                     |
| 40   | 1650040        | 1651040 | 1660040         | 1661040 | -                      | -                      | -                     |
| 50   | 1650050        | 1651050 | 1660050         | 1661050 | -                      | -                      | -                     |
| 63   | 1650063        | 1651063 | 1660063         | 1661063 | 1663063                | -                      | -                     |
| 80   | 1650080        | 1651080 | 1660080         | 1661080 | 1663080                | -                      | -                     |
| 100  | 1650100        | 1651100 | 1660100         | 1661100 | 1663100                | -                      | -                     |
| 125  | 1650125        | 1651125 | 1660125         | 1661125 | 1663125                | -                      | -                     |
| 160  | 1650160        | 1651160 | 1660160         | 1661160 | 1663160                | -                      | -                     |
| 200  | -              | -       | -               | -       | -                      | 1663200                | -                     |
| 250  | -              | -       | -               | -       | -                      | 1663250                | -                     |
| 315  | -              | -       | -               | -       | -                      | -                      | 1663315               |
| 350  | -              | -       | -               | -       | -                      | -                      | 1663350               |
| 400  | -              | -       | -               | -       | -                      | -                      | 1663400               |
| 500  | -              | -       | -               | -       | -                      | -                      | 1663500               |

<sup>1)</sup> Total length 194mm

<sup>2)</sup> Total length 209mm

# SOLAR - CH and NH fusesolders for photovoltaic applications

## Standards

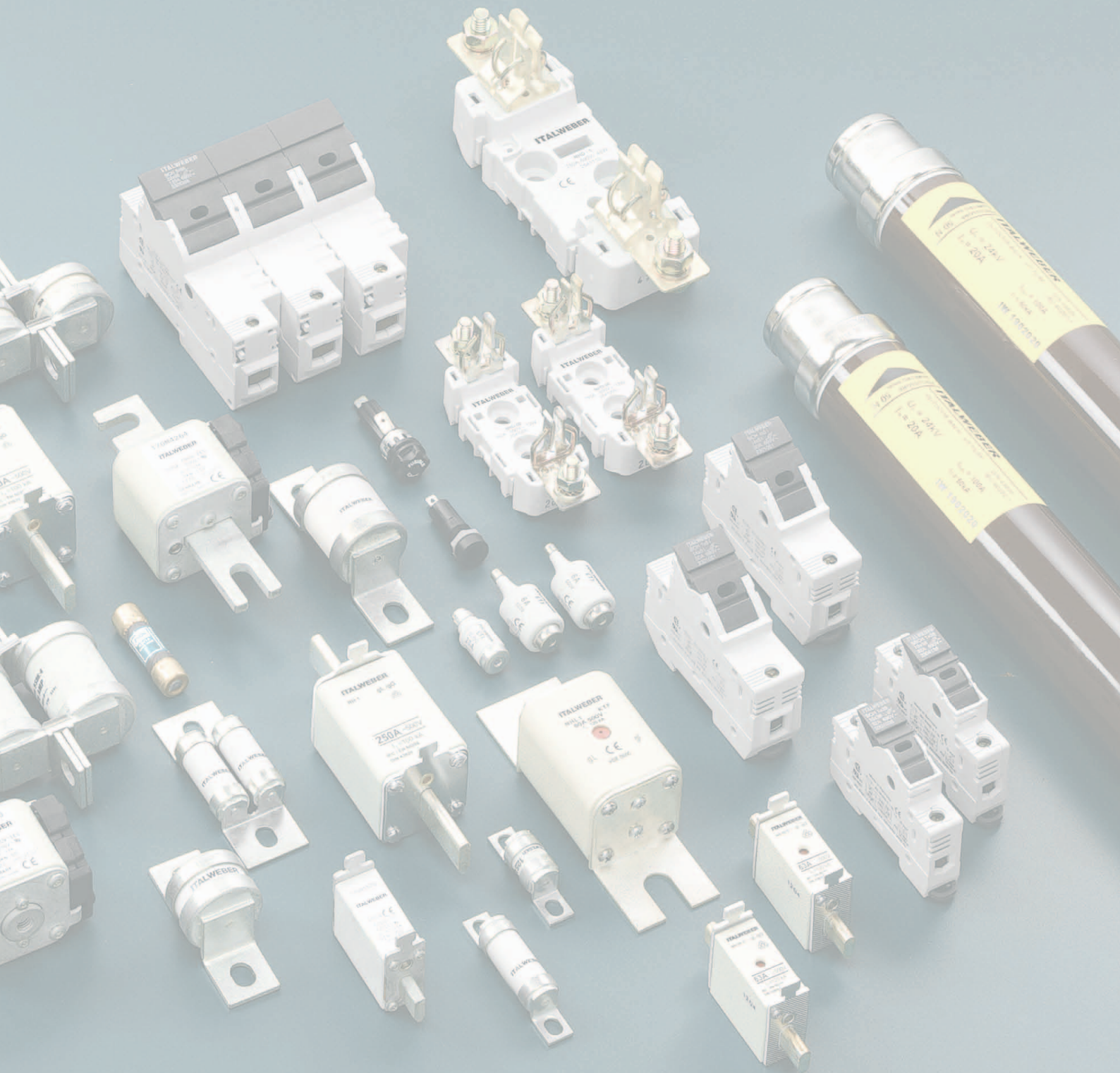
IEC EN 60269-2  
IEC EN 60269-4  
DIN 43620



| Fuseholders for CH10 10,3x38 1000V DC |          |                            |
|---------------------------------------|----------|----------------------------|
| poles                                 | code     | type                       |
| 1                                     | 2401038D | PCF10 1x38                 |
| 2                                     | 2402038D | PCF10 2x38                 |
| 1                                     | 2411038D | PCF10 1x38/1 <sup>1)</sup> |
| 2                                     | 2412038D | PCF10 2x38/1 <sup>1)</sup> |
| 1                                     | 0900504  | Pliers HK1038V             |
| 1                                     | 0900502  | Pliers HK10383             |

<sup>1)</sup> LED equipped for fusion indication

| Fuse bases for NH DC |          |                                  |
|----------------------|----------|----------------------------------|
| size                 | code     | description                      |
| 0                    | 2540010P | for fuses size 0 up to 750V DC   |
| 0                    | 2640014P | for fuses size 0 up to 1000V DC  |
| 1C                   | 2540110P | for fuses size 1C up to 750V DC  |
| 1C                   | 2540016P | for fuses size 1C up to 1000V DC |
| 1XL                  | 2540022P | for fuses size 1XL 1100V DC      |
| 2XL                  | 2540027P | for fuses size 2XL 1100V DC      |
| 3L                   | 2540032P | for fuses size 3L 1100V DC       |



# ITALWEBER



# ITALWEBER: NEVER ENDING PROTECTION

Thank you for the attention and the interest you have shown about our fuses and related accessories.

For more information you can call our phone number +3902939771 from 8,30 a.m. to 12,30 a.m. and from 1,30 p.m. to 5,30 p.m., send an e-mail to [info@italweber.it](mailto:info@italweber.it) or go on our internet web-site [www.italweber.it](http://www.italweber.it) and download the pages of our General Catalogue, containing all technical data and characteristics.

In the General Catalogue, beside the wide part called FUSINORM concerning fuses and fuseholders, you will find other product lines, especially dedicated to the panel builders. These lines are summarized here below.



## FUSINORM. LV/MV Fuses and fuseholders

- Glass and steatite miniature fuses and fuseholders
- Neozed and Diazed fuses and fuseholder
- Cylindrical fuses and fuseholders for building and industrial purposes
- NH industrial fuses and fuseholders - DIN 43620, 43603
- Ultra-quick fuses according to BS88 standard and fuseholders
- North America approved fuses and fuseholders
- Medium Voltage fuses with fuseholders and accessories



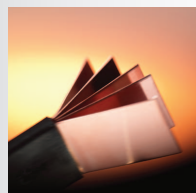
## SOLAR. Fuses and components for photovoltaic applications

- NH fuses DIN 43620 NH DC gR
- Fuseholder for NH DC fuses
- Cylindrical fuses CH DC
- Fuseholders for CH DC fuses
- Switch disconnectors for direct current
- Surge arresters
- Connectors
- Cabinets and panels for string parallel connection, protection and disconnection



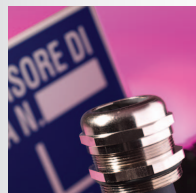
## PROMOTOR. Motor-protective circuit breakers and accessories

- **Motor protective circuit breakers "ESM"**  
for short circuit protection of single phase and three phase motors up to 32A.
- **Motor protective circuit breakers "ESB" (thermal only)**  
for over loads protection of single phase and three phase motors up to 25A.



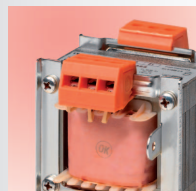
## ISOFLEX. Copper bars and accessories

- Flexible copper bars
- Solid copper bars
- Flat copper braids
- Copper bars with threaded holes
- Earthing distributions bars and pe/n bars
- Pin connection clamps
- Insulators, spacing pillars and spacers



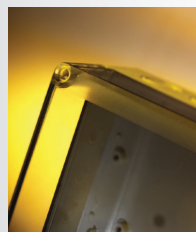
## MULTILINE. Components and accessories for electric panels

- Nylon and brass cable glands
- Warning labels and plates
- Miniature warning lamps
- Quick joints with double insulation



## TRAFO. Low voltage transformers

- Single phase control transformers cl. F
- Single phase safety and isolating transformers cl. F and B
- Single phase control safety and isolating transformers UR approved
- Single phase control transformers UL/CSA ENEC KEMA approved
- Single phase safety and isolating transformers IP20 protection degree
- Three phase control transformers UL/CSA ENEC KEMA approved
- Single phase and Three phase autotransformers
- Single phase and Three phase reactors



## CUBO. Modular enclosures in ABS, polycarbonate and polyester

- **"CUBO D" enclosures IP66/67 protection degree**  
in polycarbonate and ABS with plain sides
- **"CUBO S" enclosures IP66/67 protection degree**  
in polycarbonate and ABS with plain or pre-pressed knock-outs sides
- **"CUBO O" and CUBO C enclosures IP66/67 protection degree**  
in polycarbonate and ABS with plain or pre-pressed knock-outs sides
- **"CUBO P" panel building enclosures IP65 protection degree**  
in polycarbonate, perfect solution for mounting enclosures in modular assemblies
- **"CUBO X" enclosures IP65 protection degree**  
in polyester with fiber glass, with plain sides
- **"CUBO Y" enclosures IP65 protection degree**  
in polyester with fiber glass; especially designed for wall mounting

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