



# Interruptores caja moldeada

## Serie HVB

### Ficha Técnica

#### Especificaciones Generales

|                                       |                                                                                                  |                         |       |
|---------------------------------------|--------------------------------------------------------------------------------------------------|-------------------------|-------|
| Estándar o Norma                      | IEC60947-2                                                                                       |                         |       |
| Uso como seccionador                  | SI                                                                                               |                         |       |
| Designación del tipo o número serial. | HVB-...                                                                                          |                         |       |
| Frecuencia nominal.                   | 50/60Hz                                                                                          |                         |       |
| Temperatura                           | 40°C/55°C                                                                                        |                         |       |
| Número de polos.                      | 3                                                                                                |                         |       |
| Voltaje de Aislamiento                | Ui                                                                                               | Frame 125               | 800V  |
|                                       | Ui                                                                                               | Frame 160 - 800         | 1000V |
| Voltaje de operación                  | Ue                                                                                               | 220/380/400/415/440 VAC |       |
| Temperatura Trabajo                   | 40°C                                                                                             |                         |       |
| Temperatura Almacenaje                | 55°C                                                                                             |                         |       |
| Voltaje de impulso                    | Uimp (KV)                                                                                        | 8                       |       |
| Tipo de Instalación                   | Vertical/Horizontal                                                                              |                         |       |
| Accesorios opcionales                 | Contactos auxiliares y de alarma, Bobina de disparo, de Bajo Voltaje, mando motorizado y manija. |                         |       |

#### Función

Protección de cables e instalaciones, seccionamiento de cargas

#### Certificaciones

Internacionales: KEMA, CB. Nacionales: RETIE

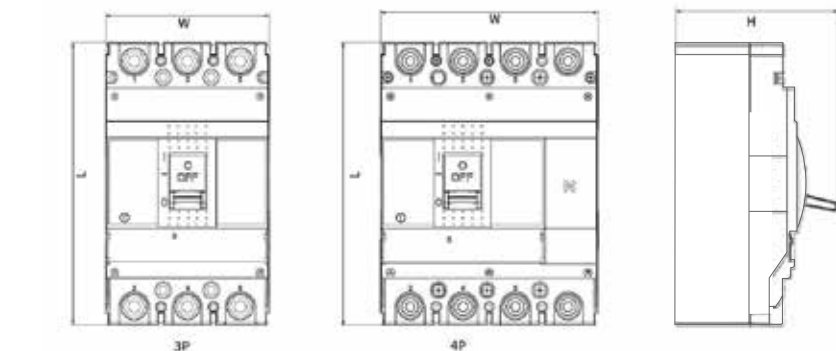
#### Aplicaciones y usos:

Sistemas de distribución eléctrica, tableros de control y protección, instalaciones residenciales y comerciales, tableros de bombeo, tableros de transferencias de carga, tableros bancos de condensadores

#### Características Principales

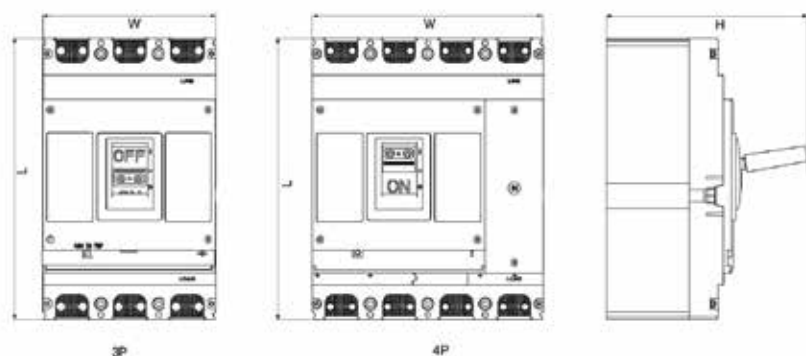
Alta capacidad de interrupción y diseño compacto, fácil instalación: Vertical/Horizontal, plena identificación para la Conexión: LINE y LOAD, mayor seguridad y protección contra contactos fortuitos, gracias al diseño especial de las terminales, pruebas de calidad exigentes, como: distancia de apertura automática, sobrecarrera, encendido-apagado, sincronización, fuerza de disparo, distancia de disparo, resistencia del bucle, fuerza de elevación y pruebas de rutina como magnéticas

#### Medidas



| Frame | Ancho (W) | Alto (A) | Profundo (H) |
|-------|-----------|----------|--------------|
| 125   | 75        | 133      | 82           |
| 160   | 95        | 155      | 93           |
| 250   | 107       | 165      | 99           |
| 400   | 140       | 257      | 148          |
| 630   | 150       | 257      | 148          |
| 800   | 210       | 280      | 155          |
| 1250  | 210       | 280      | 155          |
| 1600  | 210       | 340      | 244          |

HVA. ---



HVM-1250 - 1600





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#### Información Técnica

|                                                 |                                          |          |         |                                          |          |          |                 |            |         |
|-------------------------------------------------|------------------------------------------|----------|---------|------------------------------------------|----------|----------|-----------------|------------|---------|
| Tamaño o Frame                                  | 125                                      |          |         | 160                                      |          |          | 250             |            |         |
| Modelo                                          | HVB-125                                  |          |         | HVB-160                                  |          |          | HVB-250         |            |         |
| Numero de polos                                 | 3                                        |          |         | 3                                        |          |          | 3               |            |         |
| Corriente nominal (A) In                        | 16,20,25,30,32,40                        |          |         | 30,32,40,50,60                           |          |          | 100,125,140,150 |            |         |
|                                                 | 50,60,63,70,75,80                        |          |         | 70,75,80,90,100                          |          |          | 160,175,180,200 |            |         |
|                                                 | 90,100,125                               |          |         | 125,140,150,160                          |          |          | 225, 250        |            |         |
| Disparo Magnético (li)                          | 330A para 16-32A<br>10 x In para 40-125A |          |         | 500A para 30-40A<br>10 x In para 50-160A |          |          | 10 x In         |            |         |
| Ajuste térmico Ir (xIn)<br>(para serie MAR/BAR) | 0,8/0,9/1,0 o 07/0,85/1,0                |          |         |                                          |          |          |                 |            |         |
| Corriente ultima<br>de corto Icu (KA)           | B                                        | M        | A       | B                                        | M        | A        | B               | M          | A       |
| 220V AC                                         | 13                                       | 36       | 50      | 50                                       | 65       | 85       | 50              | 65         | 85      |
| 380/400/415V AC                                 | 10                                       | 25       | 36      | 36                                       | 50       | 65       | 36              | 50         | 65      |
| 440V AC                                         | 8                                        | 20       | 25      | 30                                       | 36       | 50       | 30              | 36         | 50      |
| Corriente de servicio<br>Ics (KA)               | B                                        | M        | A       | B                                        | M        | A        | B               | M          | A       |
| 220V AC                                         | 13                                       | 25       | 36      | 36                                       | 50       | 60       | 36              | 50         | 60      |
| 380/400/415V AC                                 | 10                                       | 18       | 25      | 25                                       | 36       | 50       | 25              | 36         | 50      |
| 440V AC                                         | 8                                        | 15       | 18      | 20                                       | 25       | 36       | 20              | 25         | 36      |
| Endurancia                                      | 16 a 100A                                |          | 125A    | 30 a 100A                                |          | 125-160A | 100A            | 125 a 250A |         |
| Mecánica                                        | 8.500                                    |          | 7.000   | 8.500                                    |          | 7.000    | 8.500           | 7.000      |         |
| Eléctrica                                       | 1500                                     |          | 1.000   | 1500                                     |          | 1.000    | 1.500           | 1.000      |         |
| Tamaño o Frame                                  | 400                                      |          | 630     |                                          | 800      |          | 1250            |            | 1600    |
| Modelo                                          | HVB-400                                  |          | HVB-630 |                                          | HVB-800  |          | HVB-1250        |            | HVB-125 |
| Numero de polos                                 | 3                                        |          | 3       |                                          | 3        |          | 3               |            | 3       |
| Corriente nominal (A) In                        | 250,280,300,315                          |          | 500     |                                          | 630, 700 |          | 800             |            | 1000    |
|                                                 | 350, 400                                 |          | 550     |                                          | 770      |          | 1000            |            | 1250    |
|                                                 |                                          |          | 630     |                                          | 800      |          | 1250            |            | 1600    |
| Disparo Magnético (li)                          | 10 x In                                  |          | 10 x In |                                          | 10 x In  |          | 10 x In         |            | 10 x In |
| Ajuste térmico Ir (xIn)<br>(para serie MAR/BAR) | 0,8/0,9/1,0                              |          |         |                                          |          |          |                 |            |         |
| Corriente ultima<br>de corto Icu (KA)           | M                                        | A        | M       | A                                        | M        | H        | M               | H          | H       |
| 220V AC                                         | 100                                      | 130      | 100     | 130                                      | 100      | 100      | 100             | 100        | 100     |
| 380/400/415V AC                                 | 85                                       | 100      | 85      | 100                                      | 85       | 100      | 85              | 100        | 85      |
| 440V AC                                         | 65                                       | 85       | 65      | 85                                       | 65       | 65       | 65              | 65         | 65      |
| Corriente de servicio<br>Ics (KA)               | M                                        | A        | M       | A                                        | M        | M        | M               | M          | M       |
| 220V AC                                         | 75                                       | 100      | 75      | 100                                      | 75       | 75       | 75              | 75         | 75      |
| 380/400/415V AC                                 | 60                                       | 75       | 60      | 75                                       | 60       | 75       | 60              | 75         | 65      |
| 440V AC                                         | 50                                       | 60       | 50      | 60                                       | 50       | 50       | 50              | 50         | 50      |
| Endurancia                                      | 250-315A                                 | 350-400A |         |                                          |          |          |                 |            |         |
| Mecánica                                        | 7.000                                    | 4.00     |         |                                          | 2.500    |          |                 |            |         |
| Eléctrica                                       | 1.000                                    | 1.000    |         |                                          | 500      |          |                 |            |         |





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Tabla de productos

| Referencia          | Rango de Corriente (A) |      |      | Capacidad de Ruptura (KA) |         | Dimensiones A x L x P (mm) |
|---------------------|------------------------|------|------|---------------------------|---------|----------------------------|
|                     | In (A)                 | Min  | Max  | 220V AC                   | 440V AC |                            |
| HVB-125MAF/3-16     | 16                     |      |      | 36                        | 20      | 75X133X82                  |
| HVB-125MAF/3-20     | 20                     |      |      | 36                        | 20      | 75X133X82                  |
| HVB-125MAF/3-25     | 25                     |      |      | 36                        | 20      | 75X133X82                  |
| HVB-125MAF/3-32     | 32                     |      |      | 36                        | 20      | 75X133X82                  |
| HVB-125MAF/3-40     | 40                     |      |      | 36                        | 20      | 75X133X82                  |
| HVB-125MAF/3-50     | 50                     |      |      | 36                        | 20      | 75X133X82                  |
| HVB-125MAF/3-63     | 63                     |      |      | 36                        | 20      | 75X133X82                  |
| HVB-125MAF/3-80     | 80                     |      |      | 36                        | 20      | 75X133X82                  |
| HVB-125MAF/3-100    | 100                    |      |      | 36                        | 20      | 75X133X82                  |
| HVB-125MAF/3-125    | 125                    |      |      | 36                        | 20      | 75X133X82                  |
| HVB-160BAF/3-160    | 160                    |      |      | 50                        | 30      | 95X155X93                  |
| HVB-250BAF/3-200    | 200                    |      |      | 50                        | 30      | 107X165X99                 |
| HVB-250BAF/3-250    | 250                    |      |      | 50                        | 30      | 107X165X99                 |
| HVB-400MAF/3-300    | 300                    |      |      | 100                       | 65      | 140X257X148                |
| HVB-400MAF/3-400    | 400                    |      |      | 100                       | 65      | 140X257X148                |
| HVB-630MAF/3-500    | 500                    |      |      | 100                       | 65      | 150X257X148                |
| HVB-630MAF/3-630    | 630                    |      |      | 100                       | 65      | 150X257X148                |
| HVB-800MAF/3-800    | 800                    |      |      | 100                       | 65      | 210X280X155                |
| HVB-1250MAF/3-1000  | 1000                   |      |      | 100                       | 65      | 210X280X155                |
| HVB-1250MAF/3-1250  | 1250                   |      |      | 100                       | 65      | 210X280X155                |
| HVB-1600MAF/3-1600  | 1600                   |      |      | 100                       | 65      | 210X340X244                |
| HVB-125MAR/3-16     | 16                     | 12,8 | 16   | 36                        | 20      | 75X133X82                  |
| HVB-125MAR/3-25     | 25                     | 20   | 25   | 36                        | 20      | 75X133X82                  |
| HVB-125MAR/3-32     | 32                     | 25,6 | 32   | 36                        | 20      | 75X133X82                  |
| HVB-125MAR/3-40     | 40                     | 32   | 40   | 36                        | 20      | 75X133X82                  |
| HVB-125MAR/3-50     | 50                     | 40   | 50   | 36                        | 20      | 75X133X82                  |
| HVB-125MAR/3-63     | 63                     | 50,4 | 63   | 36                        | 20      | 75X133X82                  |
| HVB-125MAR/3-80     | 80                     | 64   | 80   | 36                        | 20      | 75X133X82                  |
| HVB-125MAR/3-100    | 100                    | 80   | 100  | 36                        | 20      | 75X133X82                  |
| HVB-125MAR/3-125    | 125                    | 100  | 125  | 36                        | 20      | 75X133X82                  |
| HVB-160BAR/3-160    | 160                    | 128  | 160  | 50                        | 30      | 95X155X93                  |
| HVB-250BAR/3-200    | 200                    | 160  | 200  | 50                        | 30      | 107X165X99                 |
| HVB-250BAR/3-250    | 250                    | 200  | 250  | 50                        | 30      | 107X165X99                 |
| HVB-400MAR/3-315    | 315                    | 252  | 315  | 50                        | 30      | 140X257X148                |
| HVB-400MAR/3-400    | 400                    | 320  | 400  | 100                       | 65      | 140X257X148                |
| HVB-630MAR/3-500    | 500                    | 400  | 500  | 100                       | 65      | 150X257X148                |
| HVB-630MAR/3-630    | 630                    | 504  | 630  | 100                       | 65      | 150X257X148                |
| HVB-800MAR/3-800    | 800                    | 640  | 800  | 100                       | 65      | 210X280X155                |
| HVB-1250EMAR/3-1000 | 1000                   | 800  | 1000 | 100                       | 65      | 210X280X155                |
| HVB-1250EMAR/3-1250 | 1250                   | 1000 | 1250 | 70                        | 65      | 210X280X155                |
| HVB-1600EMAR/3-1000 | 1000                   | 800  | 1000 | 100                       | 65      | 210x340x244                |
| HVB-1600EMAR/3-1250 | 1250                   | 1000 | 1250 | 100                       | 65      | 210x340x244                |
| HVB-1600EMAR/3-1600 | 1600                   | 1280 | 1600 | 100                       | 65      | 210x340x244                |



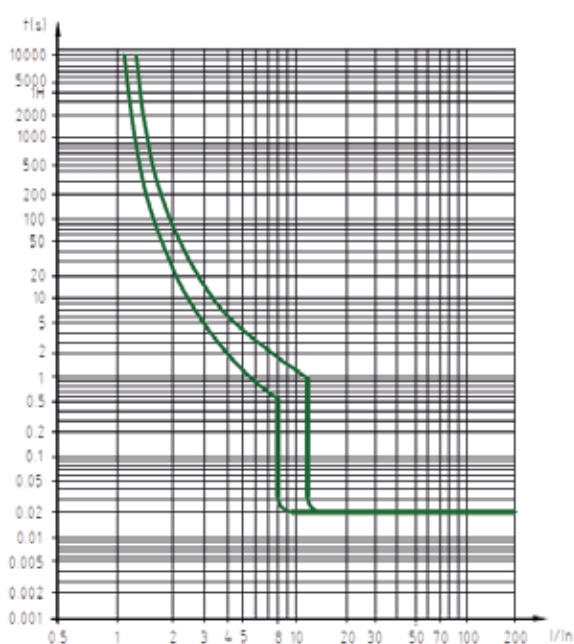


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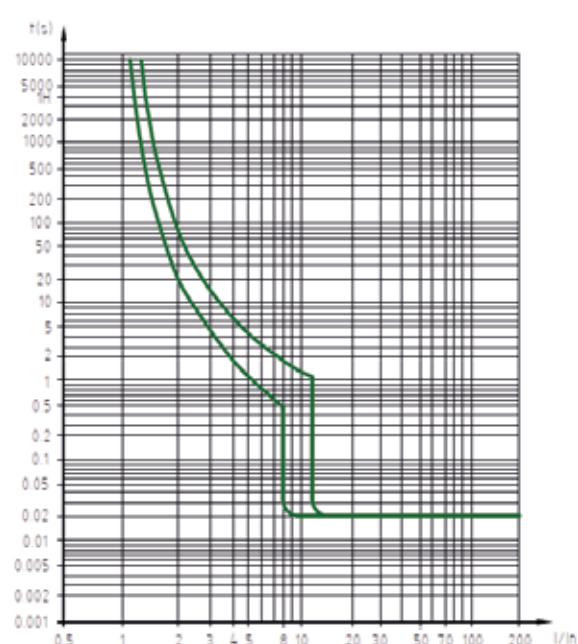
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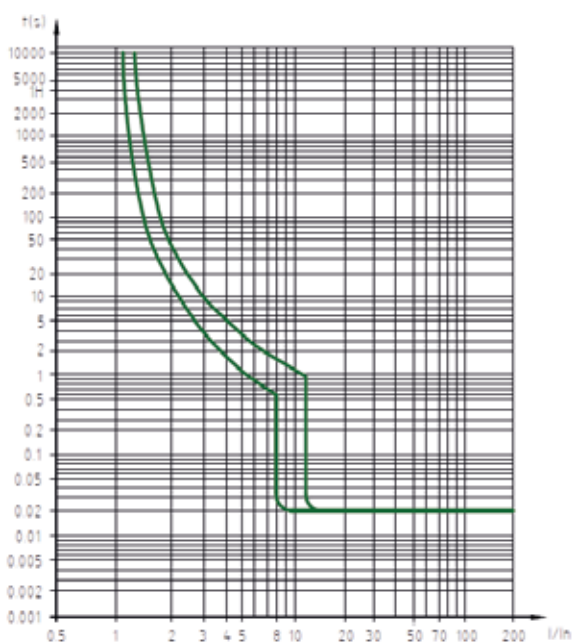
## Curvas



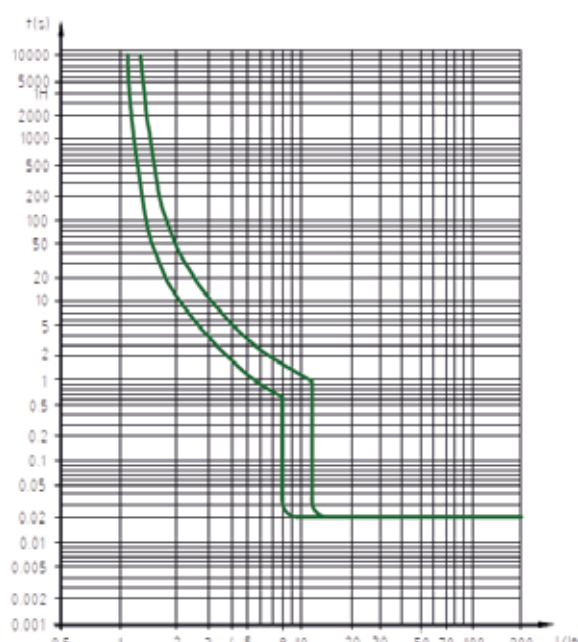
HVM-125-15/25/32 A



HVM-125-20 A



HVM-125-40/50 A



HVM-125-63 A



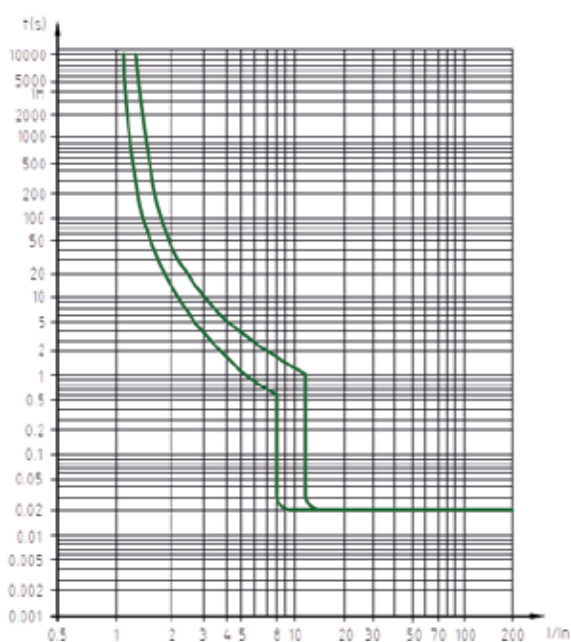


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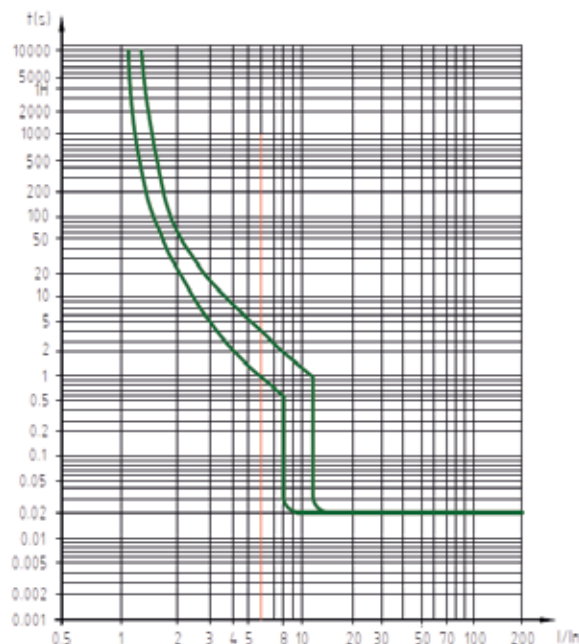
**Serie HVB**

**Ficha Técnica**

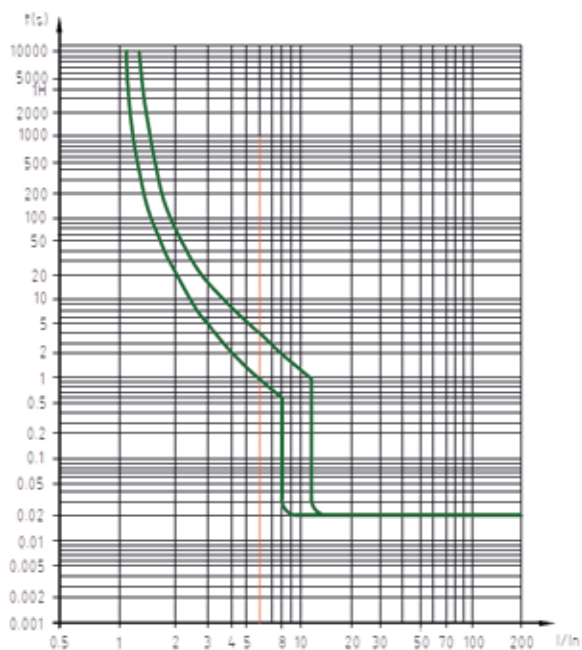
## Curvas



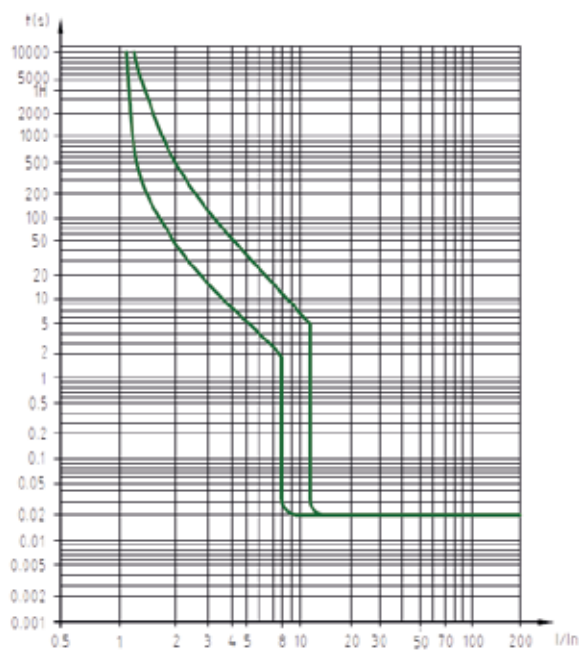
HVM-125-80 A



HVM-125-100 A



HVM-125-125 A



HVM-160-160 A





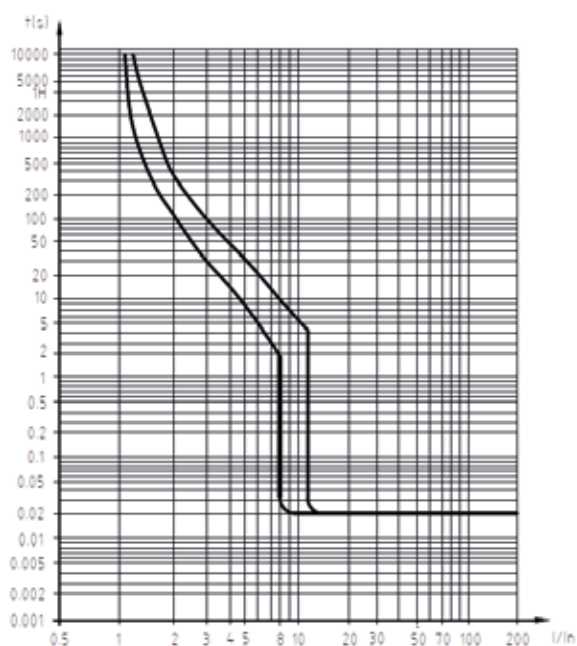


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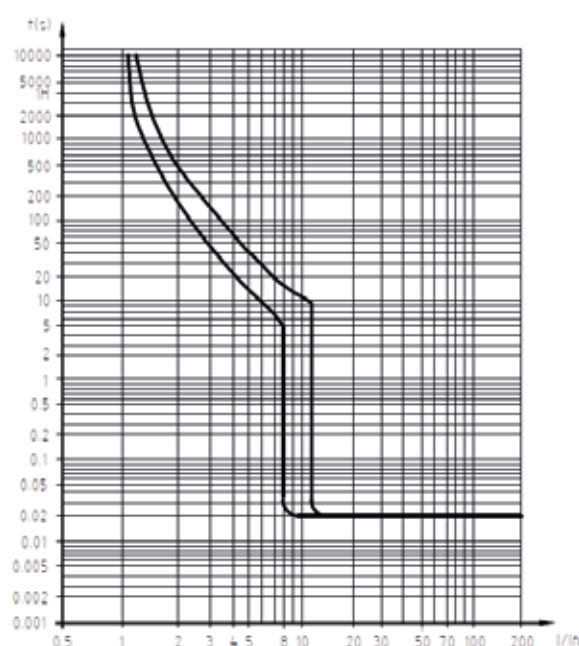
**Serie HVB**

**Ficha Técnica**

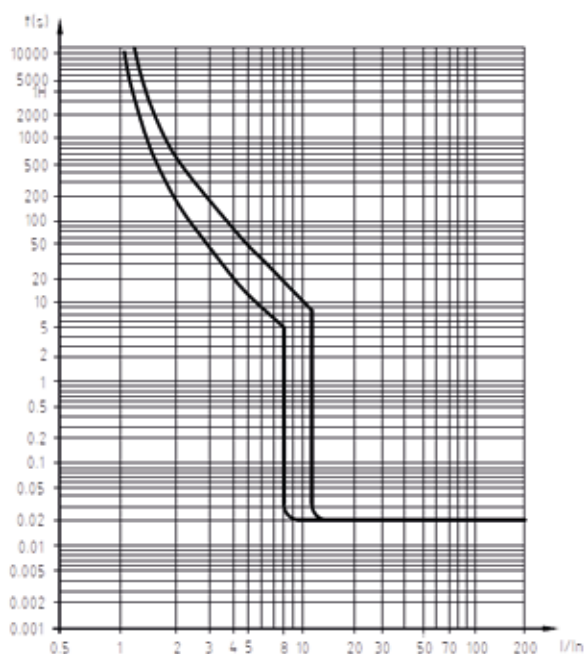
## Curvas



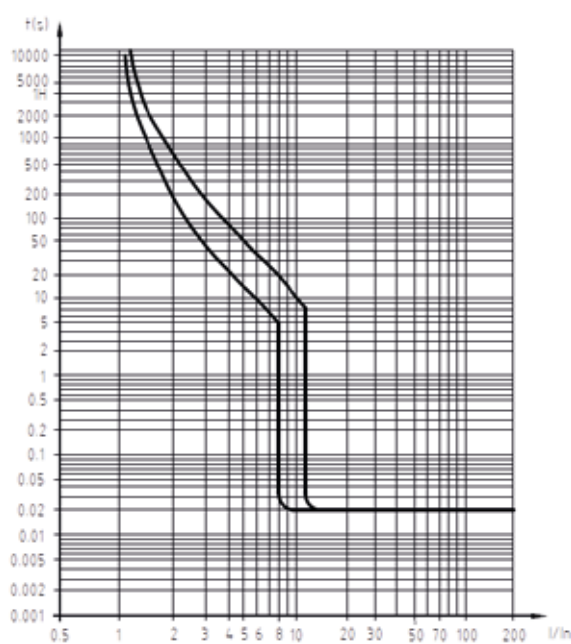
HVM-250-200 A



HVM-250-250 A



HVM-400-315 A



HVM-400-400 A



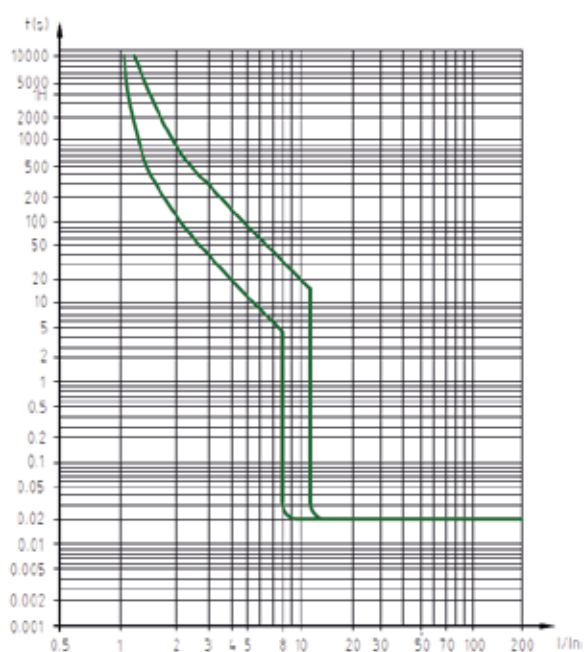


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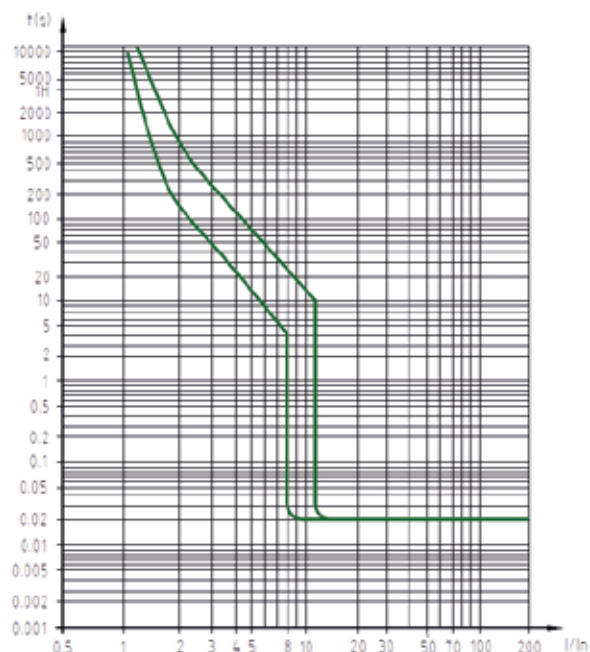
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## Curvas



HVM-630-500 A



HVM-630-630 A