



Miniature circuit-breaker

Part no. FAZ-B50/3  
Article no. 278852

Delivery programme

|                         |                |   |                                                               |
|-------------------------|----------------|---|---------------------------------------------------------------|
| Product range           |                |   | FAZ miniature circuit-breakers                                |
| Basic function          |                |   | Miniature circuit-breakers                                    |
| Tripping characteristic |                |   | B                                                             |
| Application             |                |   | Instantaneous release response current 3 - 5 x I <sub>n</sub> |
| Switching capacity      |                |   | Switching capacity 15 kA (IEC/EN 60947-2)                     |
| Rated current           | I <sub>n</sub> | A | 50                                                            |
| Pole                    |                |   | 3 pole                                                        |
| Notes                   |                |   | With 3 protected poles                                        |
| Contact sequence        |                |   |                                                               |

Notes

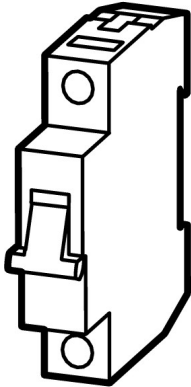
|                    |       |
|--------------------|-------|
| Switching capacity | 10 kA |
| (IEC/EN 60898)     |       |
| Switching capacity | 15 kA |
| (IEC/EN 60947-2)   |       |

Accessories

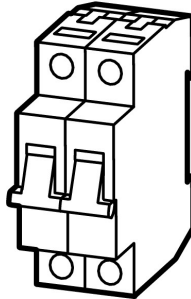
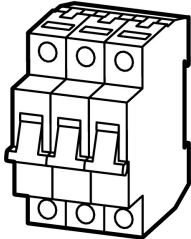
|                      |          |
|----------------------|----------|
| Auxiliary contacts   | → 286054 |
| Voltage releases     |          |
| Mounting accessories | → 291464 |

FAZ-B4/1-HS, FAZ-B4/2-HS special miniature circuit-breakers with much reduced let-through energy to prevent contact welding of **auxiliary contacts**

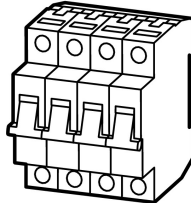
|               |                 |
|---------------|-----------------|
| 1 pole        | 2-pole; 1N-pole |
| Depth 71 mm   | Depth 71 mm     |
| Width 17.5 mm | Width 35 mm     |



3 pole  
Depth 71 mm  
Width 52.5 mm



4-pole; 3-pole + N  
Depth 71 mm  
Width 70 mm



Approvals

|                             |                                                                      |
|-----------------------------|----------------------------------------------------------------------|
| Product Standards           | IEC/EN 60947-2; IEC/EN 60898; UL 1077; CSA-C22.2 No. 235; CE marking |
| UL File No.                 | E177451                                                              |
| UL CCN                      | QVNU2, QVNU8                                                         |
| CSA File No.                | 204453                                                               |
| CSA Class No.               | 3215-30                                                              |
| NA Certification            | UL recognized, CSA certified                                         |
| Conditions of Acceptability | Supplementary Protector only                                         |

Suitable for  
Current Limiting CB  
Max. Voltage Rating  
Degree of Protection

Branch Circuits; not as BCPD  
No  
480Y/277 VAC  
IEC: IP20; UL/CSA Type: -

## Electrical

|                                |                |                |                                |
|--------------------------------|----------------|----------------|--------------------------------|
| Standards                      |                |                | IEC/EN 60947-2<br>IEC/EN 60898 |
| Rated operational voltage      | U <sub>e</sub> | V              |                                |
|                                | U <sub>e</sub> | V<br>AC        | 230/400                        |
|                                |                | V<br>DC        | 48 (per pole)                  |
| Rated switching capacity       |                | kA             | 15                             |
| Operational switching capacity |                | kA             | 7.5                            |
| Characteristic                 |                |                | B, C, D                        |
| Max. back-up fuse              |                | A<br>gL/<br>gG | 125                            |
| Selectivity Class              |                |                | 3                              |
| Lifespan                       | Operations     |                | > 10000                        |
| Direction of incoming supply   |                |                | as required                    |

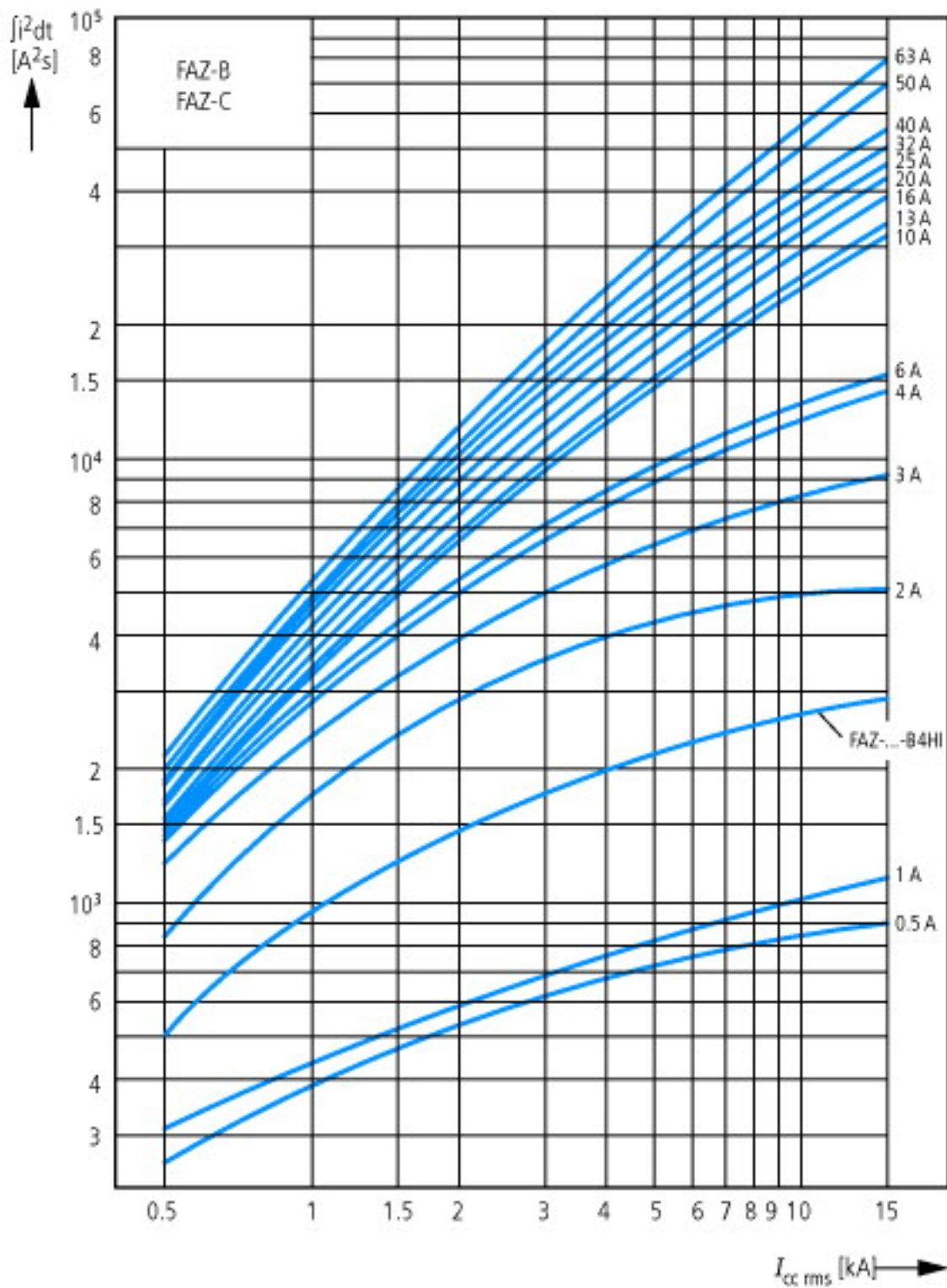
## Mechanical

|                              |  |                 |                                         |
|------------------------------|--|-----------------|-----------------------------------------|
| Standard front dimension     |  | mm              | 45                                      |
| Enclosure height             |  | mm              | 80                                      |
| Terminal protection          |  |                 | Finger and back-of-hand proof to BGV A2 |
| Mounting width per pole      |  | mm              | 17.5                                    |
| Mounting                     |  |                 | IEC/EN 60715 top-hat rail               |
| Protection type              |  |                 | IP20, IP40 (when fitted)                |
| Terminals top and bottom     |  |                 | Twin-purpose terminals                  |
| Terminal capacities          |  | mm <sup>2</sup> |                                         |
|                              |  | mm <sup>2</sup> | 1 x 25                                  |
|                              |  | mm <sup>2</sup> | 2 x 10                                  |
| Thickness of busbar material |  | mm              | 0.8 ... 2                               |
| Mounting position            |  |                 | As required                             |

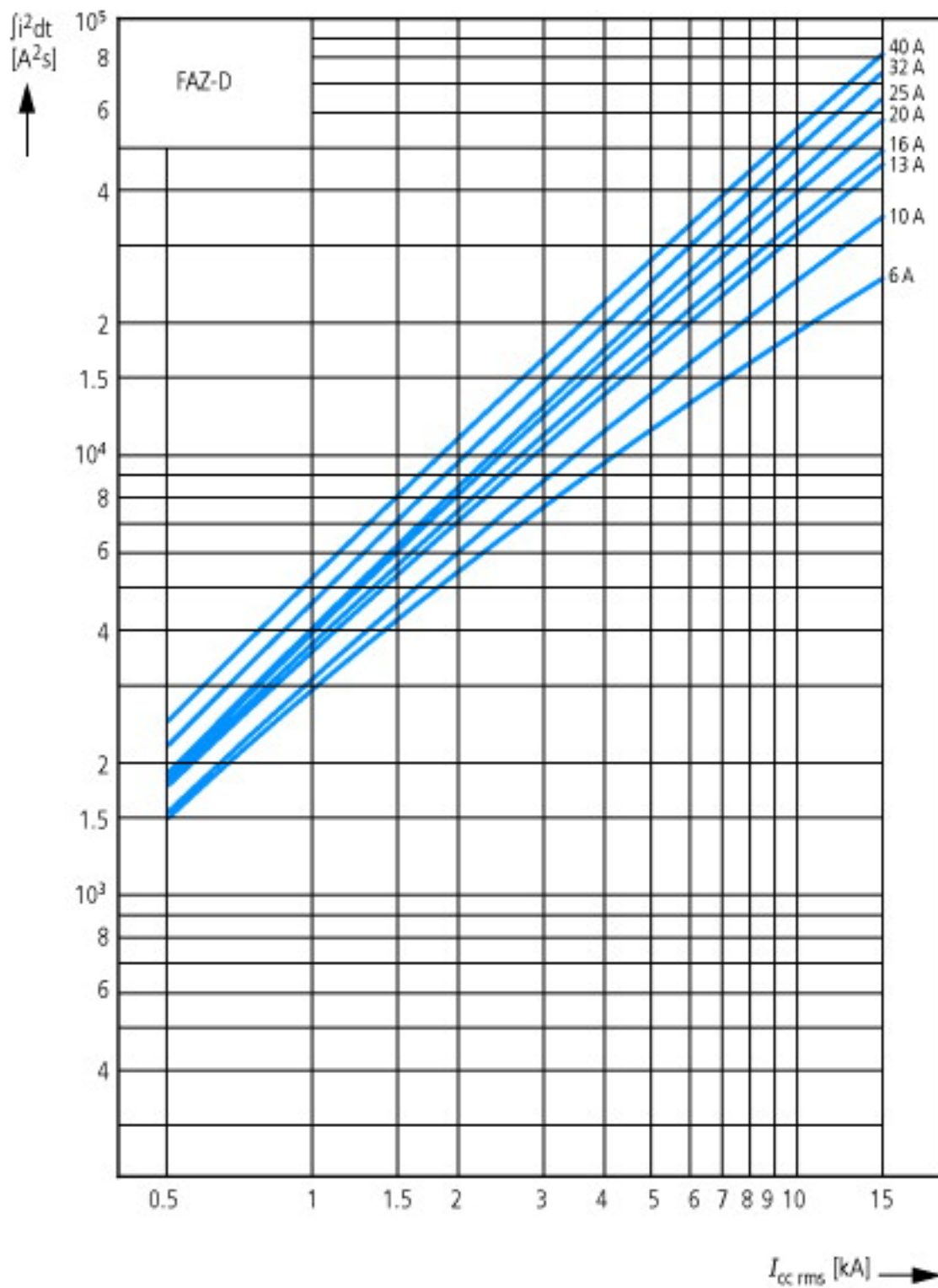
## Technical data ETIM 4.0

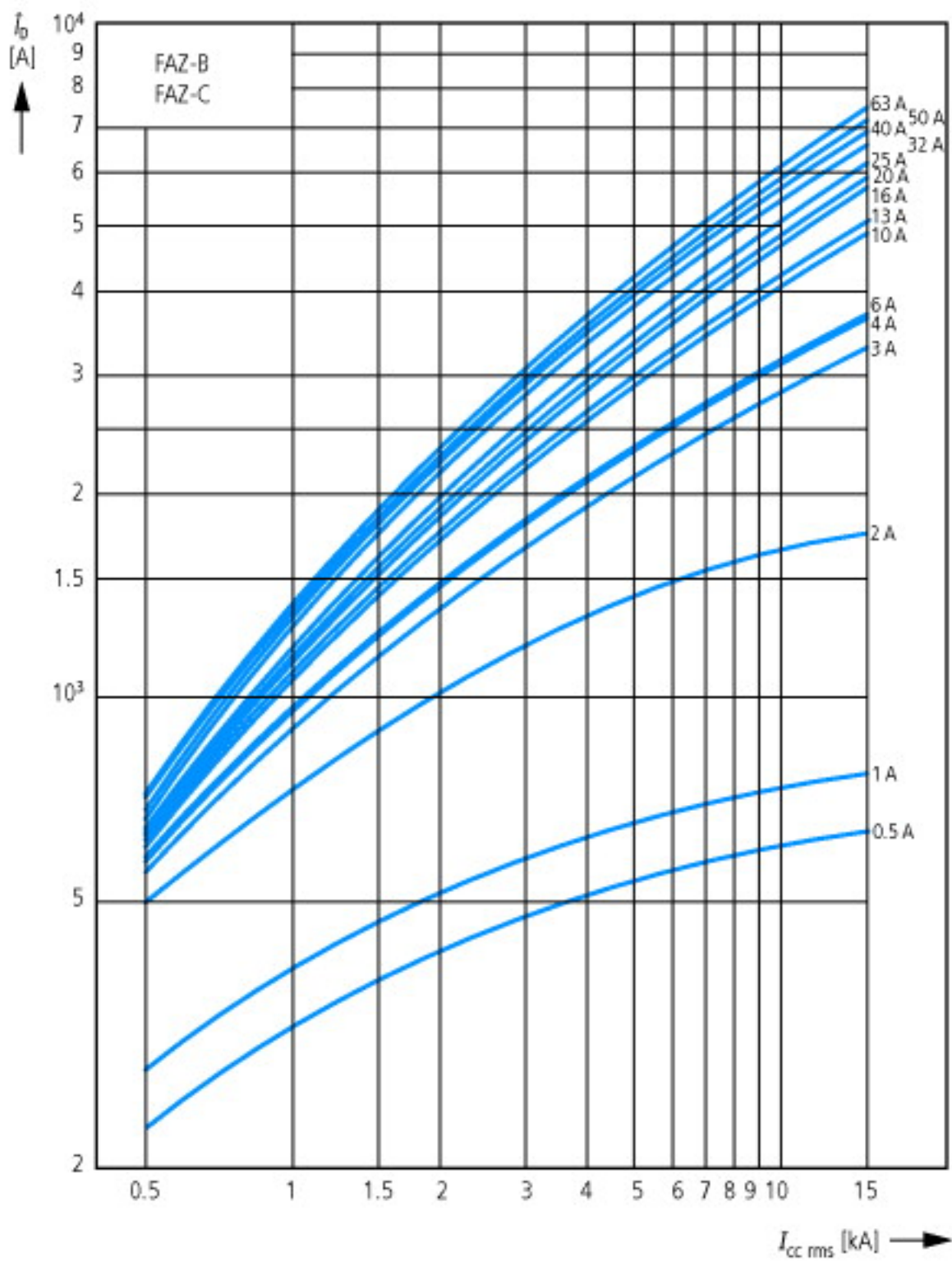
|                                                   |  |    |       |
|---------------------------------------------------|--|----|-------|
| Frequency                                         |  | Hz | 50 Hz |
| Voltage type                                      |  |    | AC    |
| Mounting depth                                    |  | mm | 71 mm |
| Rated current                                     |  | A  | 50 A  |
| Rated voltage                                     |  | V  | 400 V |
| Trip type                                         |  |    | B     |
| Number of poles                                   |  |    | 3     |
| Current-limiting class                            |  |    | 3     |
| Overvoltage category                              |  |    | 3     |
| Pollution degree                                  |  |    | 2     |
| Width in space units                              |  |    | 3     |
| Protection type (IP)                              |  |    | IP20  |
| Neutral conductor switching with pole             |  |    | false |
| Rated switching capacity according to EN 60898    |  | kA | 10 kA |
| Rated switching capacity according to IEC 60947-2 |  | kA | 0 kA  |
| Additional equipment possible                     |  |    | true  |

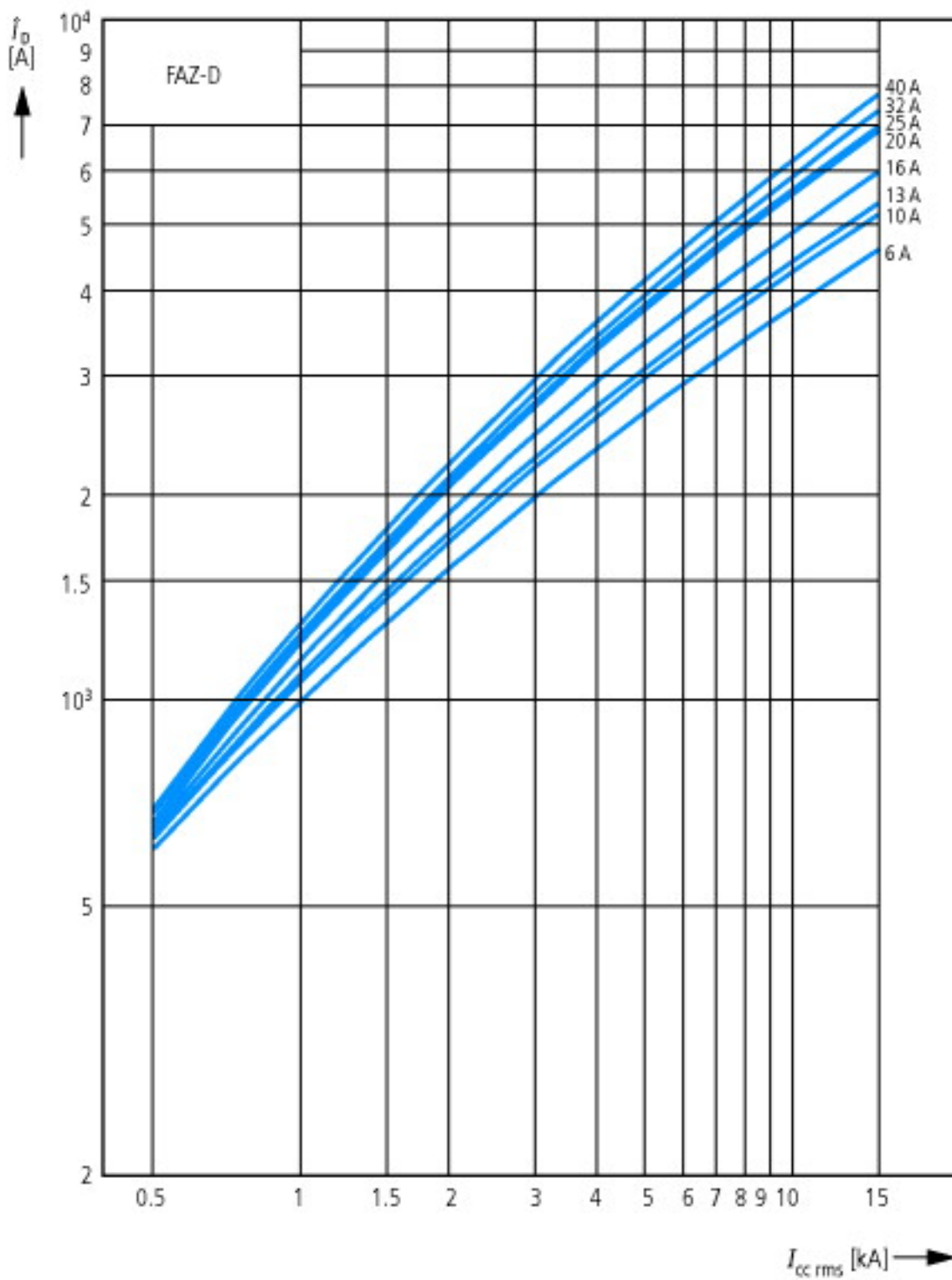
## Characteristics

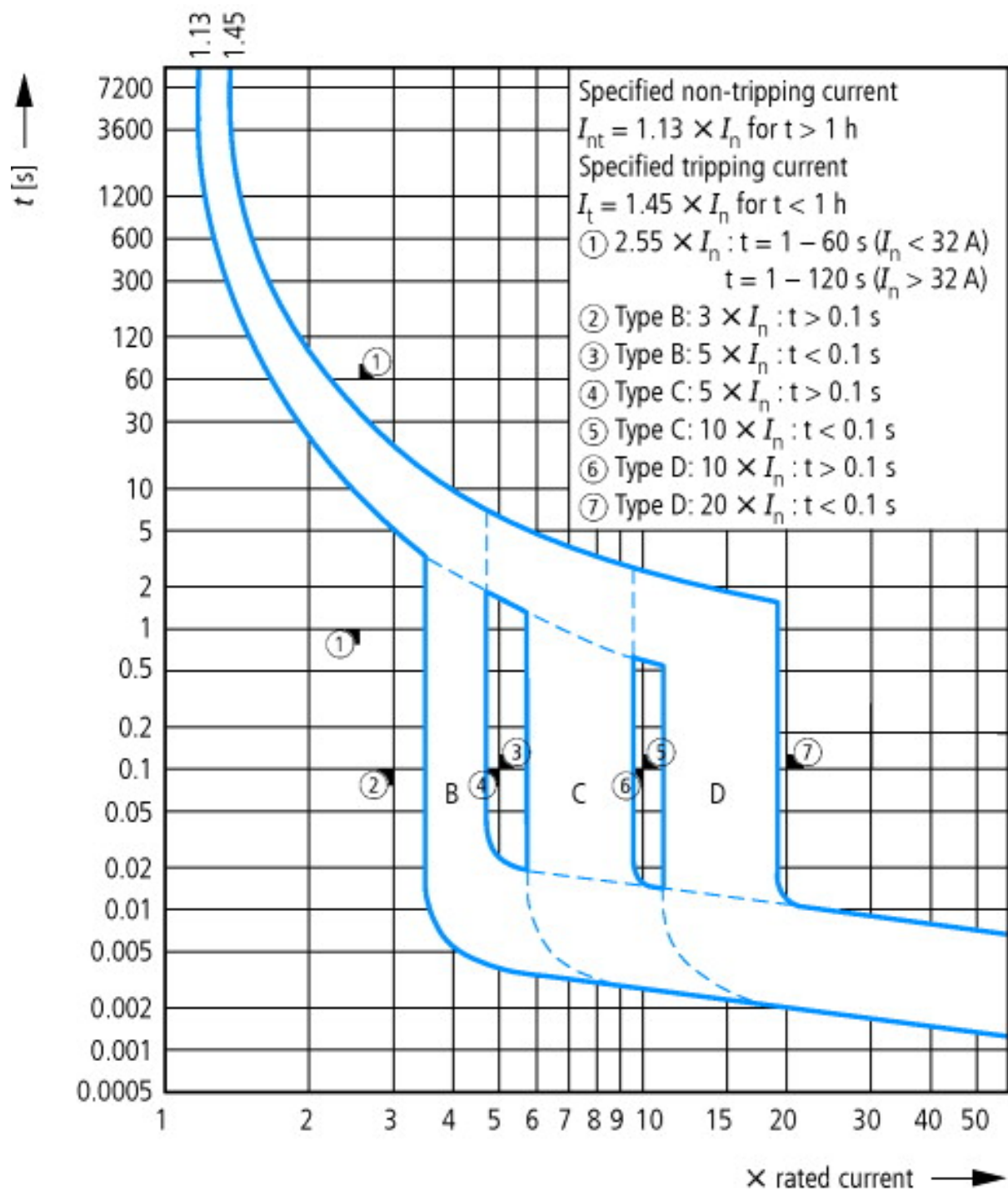


Let-through energy  $I^2t$   
According to IEC/EN 60898



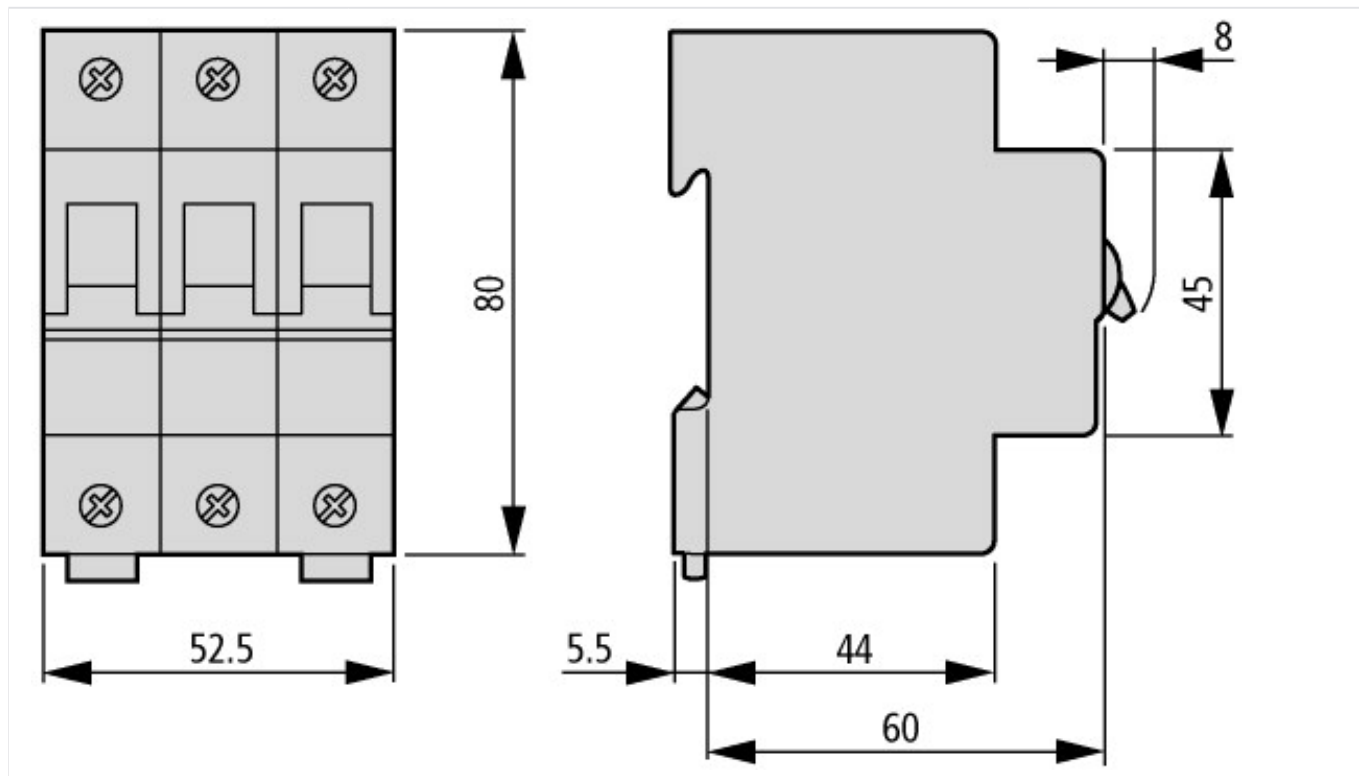






Tripping characteristic at 30 °C:  
 B, C, D to IEC/EN 60898

## Dimensions



#### Additional product information (links)

##### AWA1220-1755 Circuit-breaker

AWA1220-1755 Circuit-breaker

[ftp://ftp.moeller.net/DOCUMENTATION/AWA\\_INSTRUCTIONS/17550701.pdf](ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/17550701.pdf)