



## Miniature circuit-breaker



Powering Business Worldwide™

Part no.

FAZ-C6/1

Article no.

278555

### Program

Range			FAZ miniature circuit-breakers
Basic function			Miniature circuit-breakers
Tripping characteristic			C
Application			Instantaneous release response current 5 - 10 x I <sub>n</sub>
Switching capacity			Switching capacity 15 kA (IEC/EN 60947-2)
Rated current	I <sub>n</sub>	A	6
Pole			1 pole
Notes			-
Contact sequence			

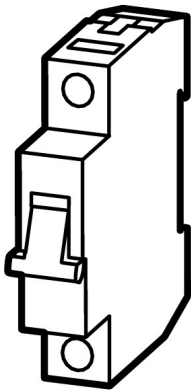
#### Notes

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

#### Accessories

Auxiliary contacts	→ 286054
Voltage releases	→ 291464
Mounting accessories	

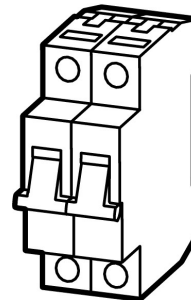
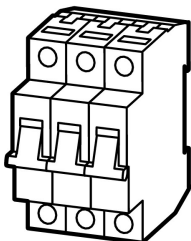
1 pole	2-pole; 1N-pole
Depth 71 mm	Depth 71 mm
Width 17.5 mm	Width 35 mm



3 pole

Depth 71 mm

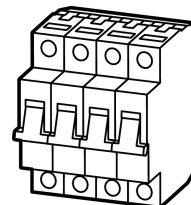
Width 52.5 mm



4-pole; 3N-pole

Depth 71 mm

Width 70 mm



## Approbationen

UL approval  
 CSA approval  
 Product Standards  
 UL File No.  
 UL CCN  
 CSA File No.  
 CSA Class No.  
 NA Certification  
 Conditions of Acceptability  
 Suitable for  
 Current Limiting CB  
 Max. Voltage Rating  
 Degree of Protection

Yes  
 Yes  
 IEC/EN 60947-2; IEC/EN 60898; UL 1077; CSA-C22.2 No. 235; CE marking  
 E177451  
 QVNU2, QVNU8  
 204453  
 3215-30  
 UL recognized, CSA certified  
 Supplementary Protector only  
 Branch Circuits; not as BCPD  
 No  
 277 VAC; 48 VDC  
 IEC: IP20; UL/CSA Type: -

## Electrical

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

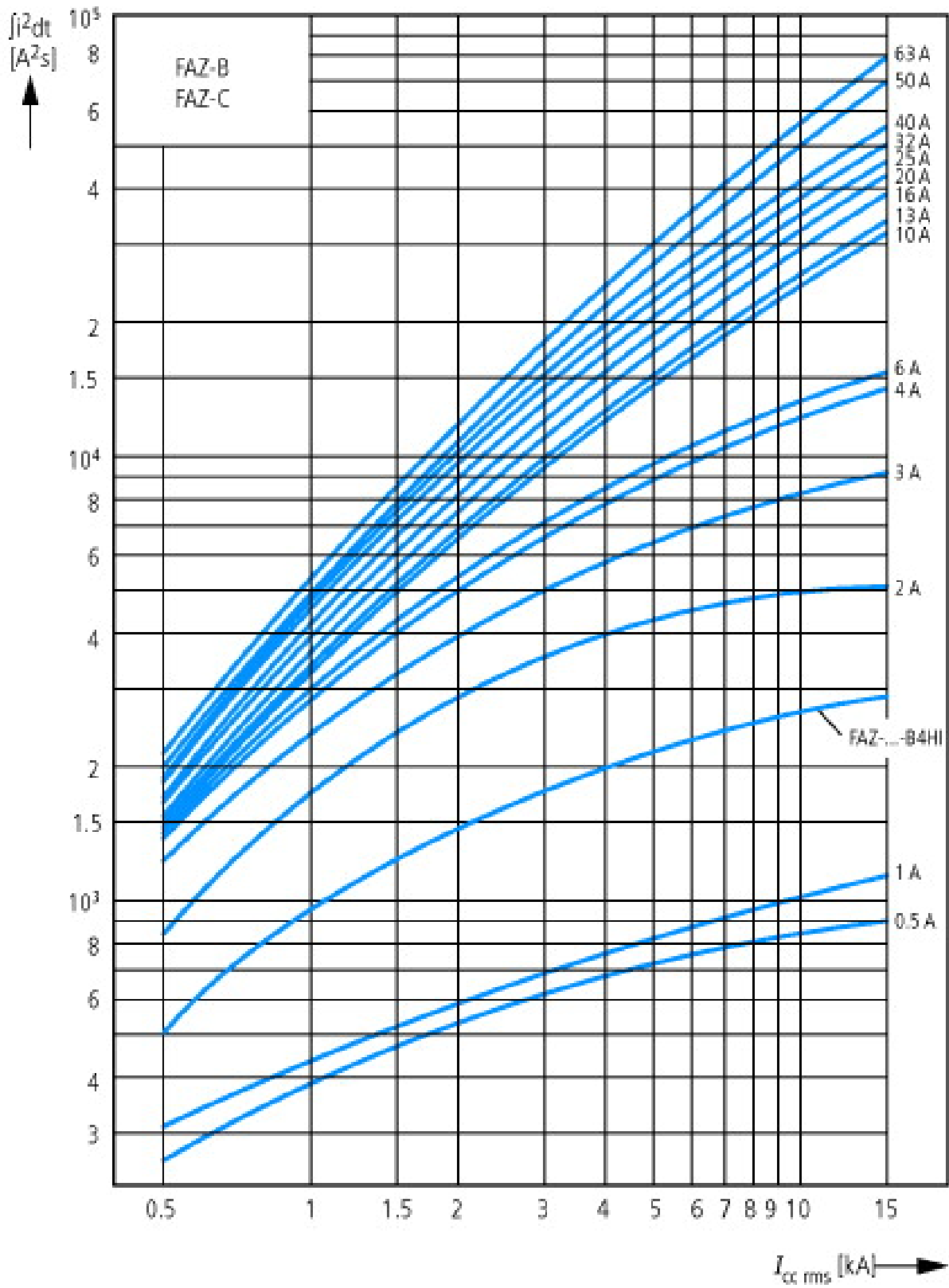
## Mechanical

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

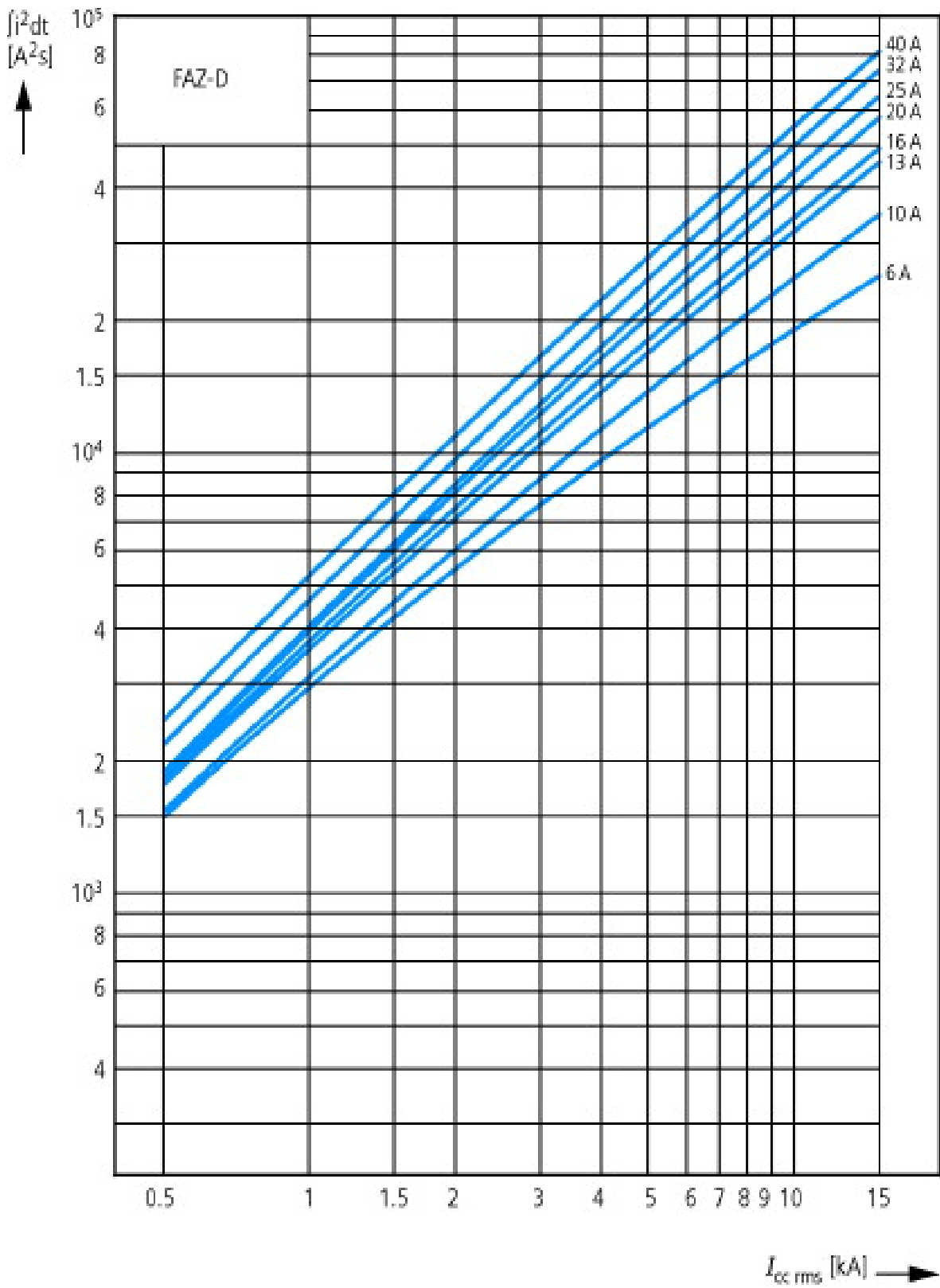
## Technical data according to ETIM 4.0

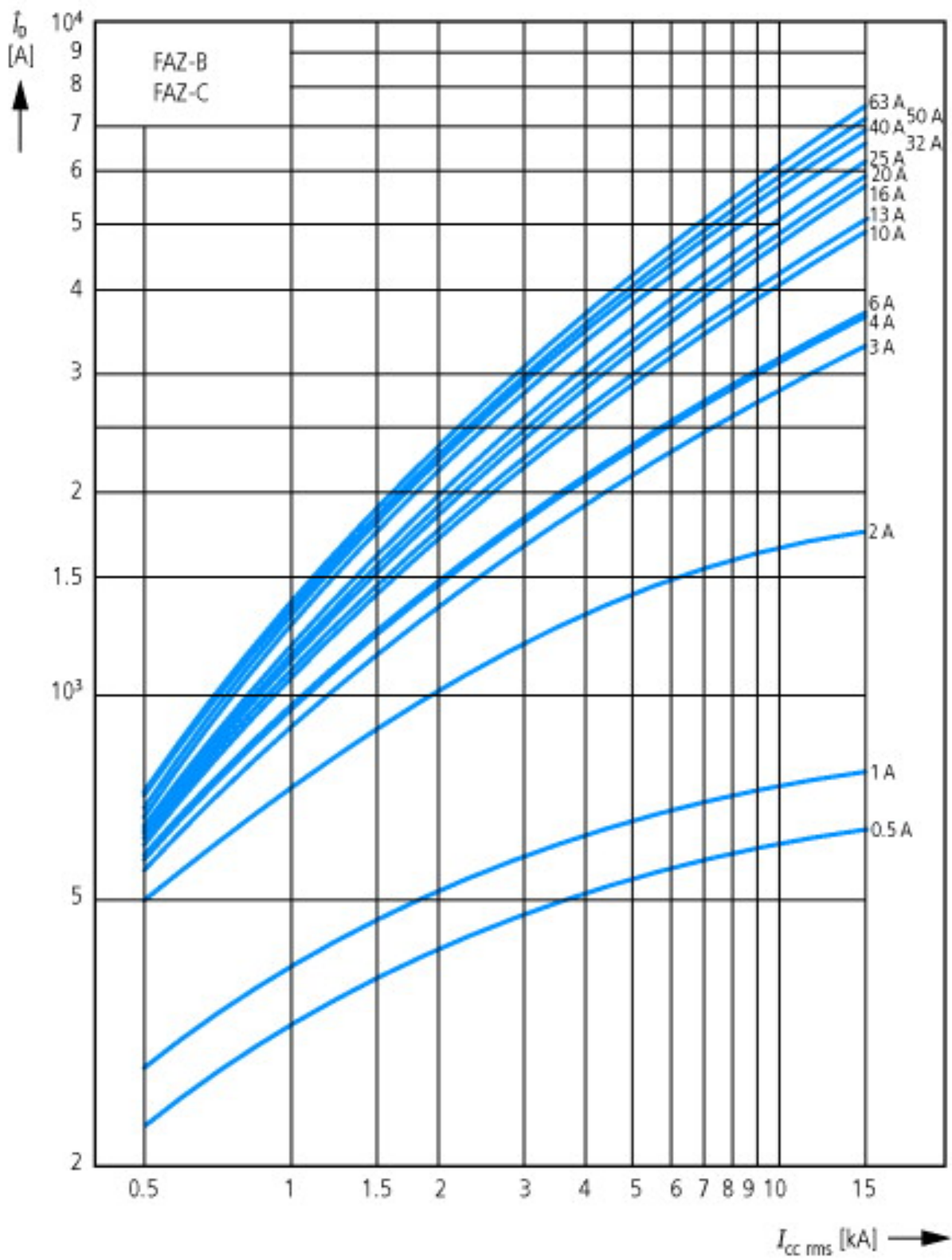
Frequency		Hz	50 Hz
Voltage type			AC
Mounting depth		mm	71 mm
Rated current		A	6 A
Rated voltage		V	230 V
Trip type			C
Number of poles			1
Current-limiting class			3
Overvoltage category			3
Pollution degree			2
Width in space units			1
Protection type (IP)			IP20
Neutral conductor switching with pole			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

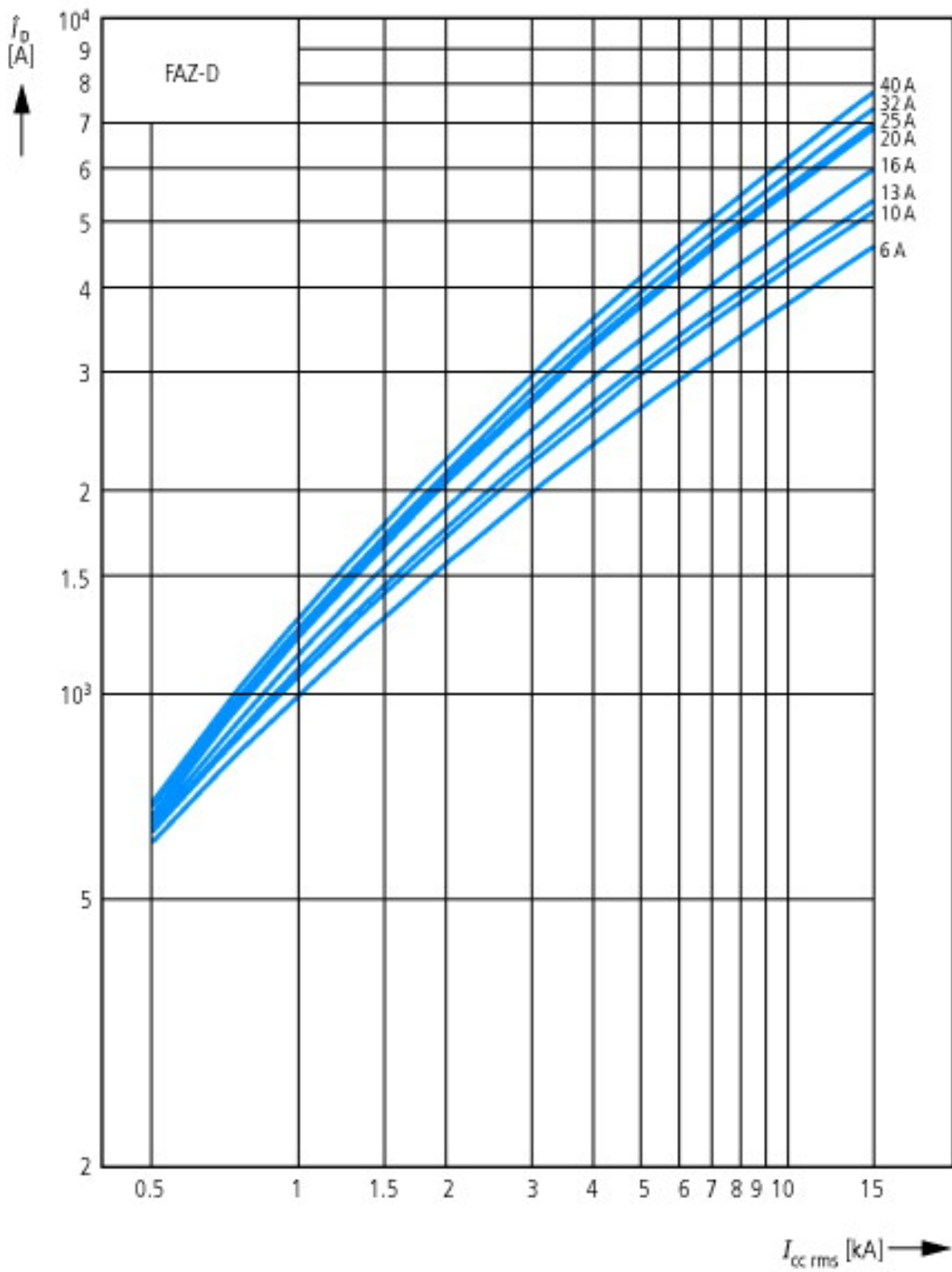


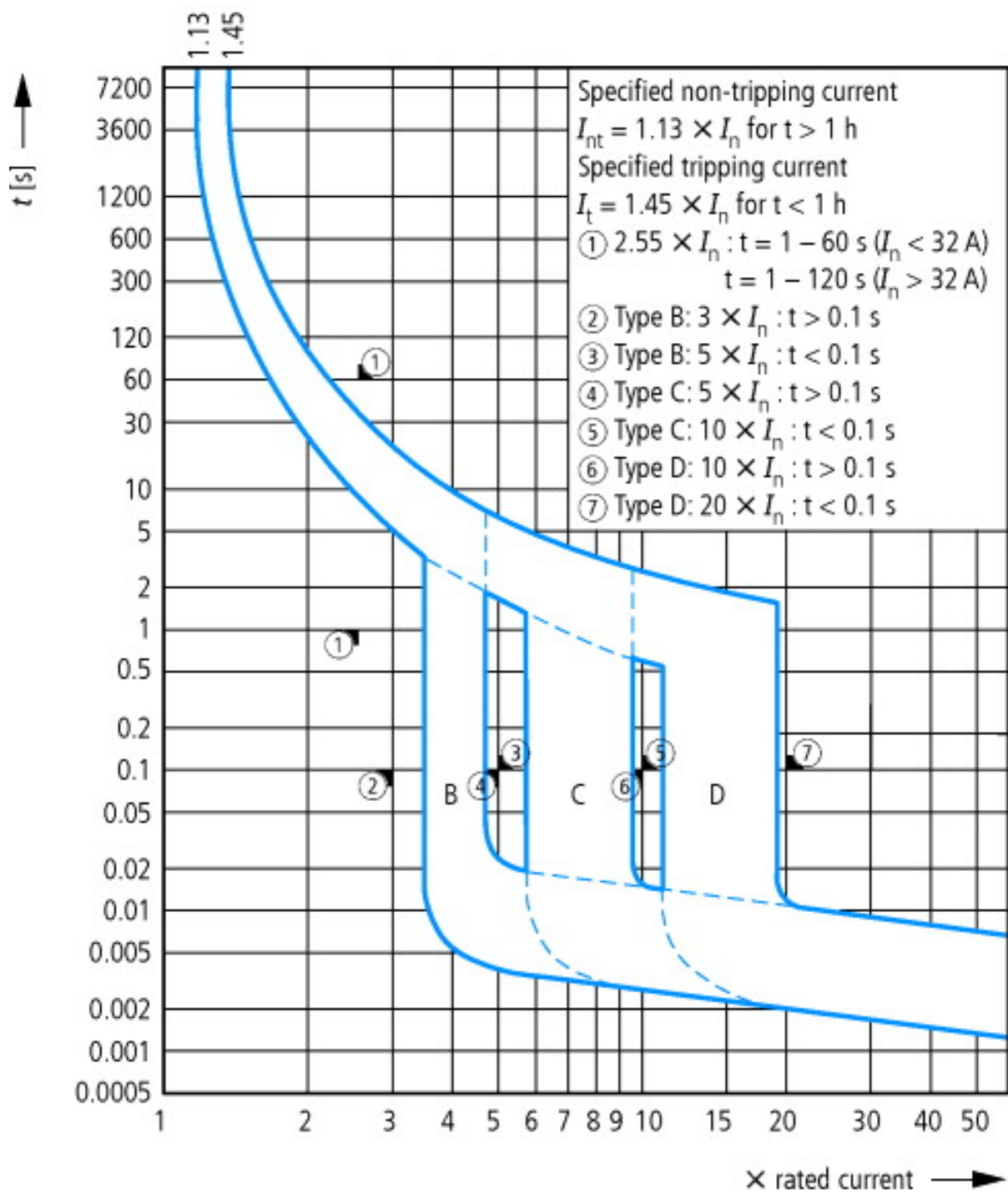
Let-through energy  $I^2t$   
According to IEC/EN 60898





Let-through current  $i_D$   
According to IEC/EN 60898





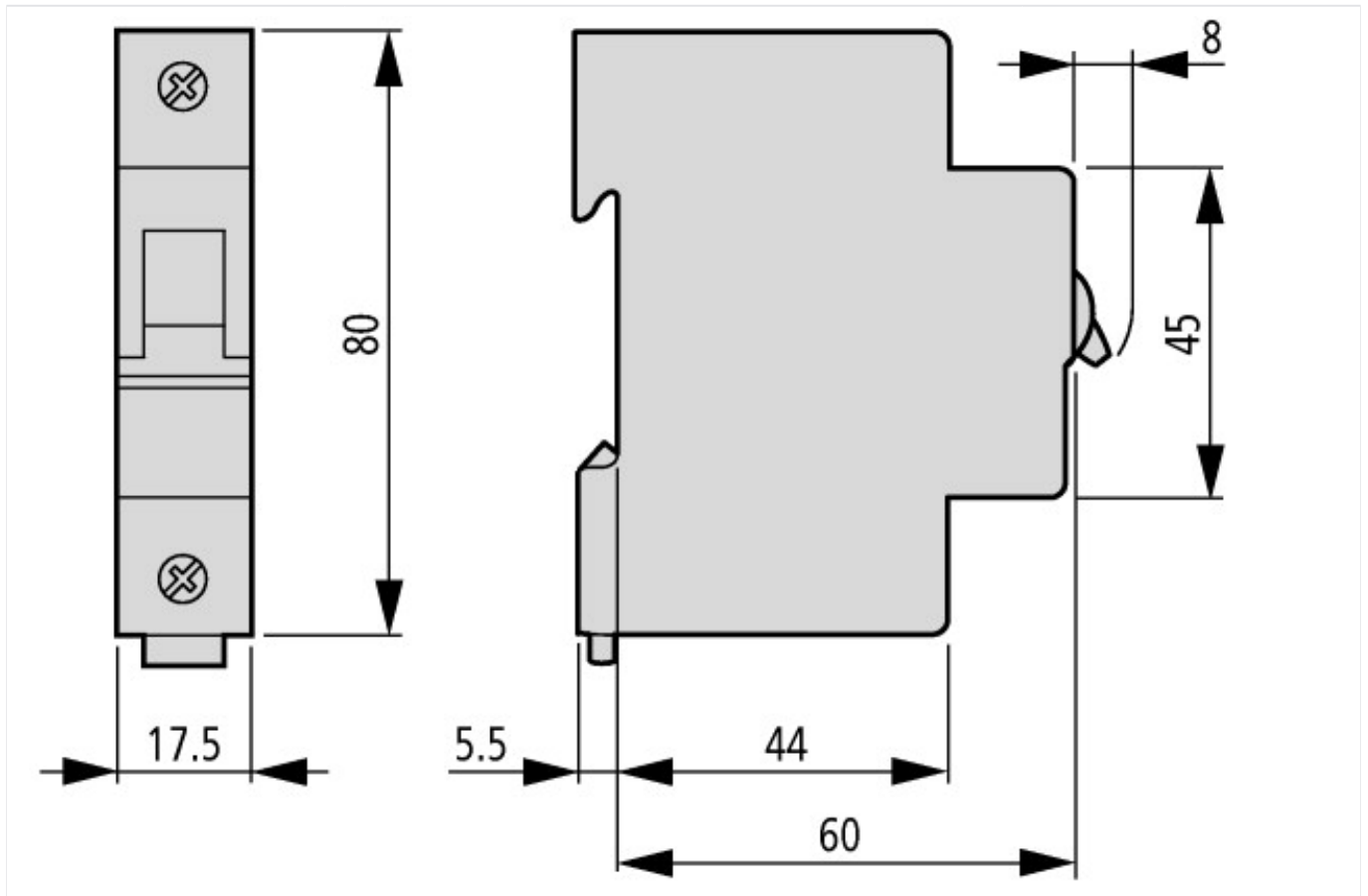
Tripping characteristic at 30 °C:  
 B, C, D to IEC/EN 60898

### CAD-Data

Product standards CAD data:

<http://eaton-moeller.partcommunity.com>

### Dimensions



#### Additional product information (links)

AWA1220-1755 Circuit-breaker

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

#### Engineering

External influences and loadability

[ftp://ftp.moeller.net/DOCUMENTATION/PDF/GB/TD\\_FAZ\\_neu\\_14\\_de.pdf](ftp://ftp.moeller.net/DOCUMENTATION/PDF/GB/TD_FAZ_neu_14_de.pdf)