Miniature circuit-breaker

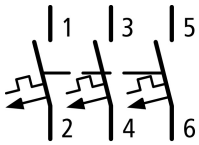
Part no. **FAZ-C10/3**

Article no. **278869**

Instantaneous release response current 5 … 10 × I_n

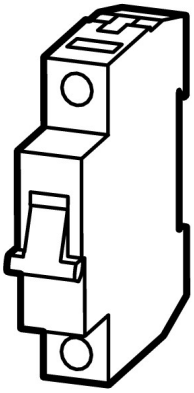
Switching capacity 15 kA (IEC/EN 60947-2)

Delivery programme

Tripping characteristic			C
			Instantaneous release response current 5 … 10 × I_n
Switching capacity			Switching capacity 15 kA (IEC/EN 60947-2)
Pole			3 pole
			With 3 protected poles
Rated current	I_n	A	10
Contact sequence			
Frequency		Hz	50 Hz
Voltage type			AC
Mounting depth		mm	71 mm
Rated current		A	10 A
Rated voltage		V	400 V
Trip type			C
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

Notes

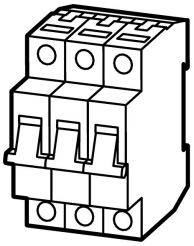
Switching capacity	10 kA
(IEC/EN 60898)	
Switching capacity	15 kA
(IEC/EN 60947#2)	
Accessories	
Auxiliary contacts	# 286054
Voltage releases	
Mounting accessories	# 291464
1 pole	2-pole; 1N-pole
Depth 71 mm	Depth 71 mm
Width 17.5 mm	Width 35 mm

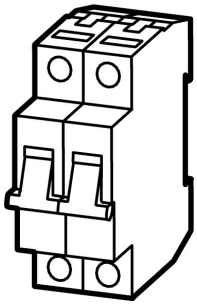


3 pole

Depth 71 mm

Width 52.5 mm

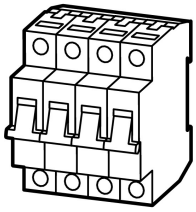




4-pole; 3-pole + N

Depth 71 mm

Width 70 mm

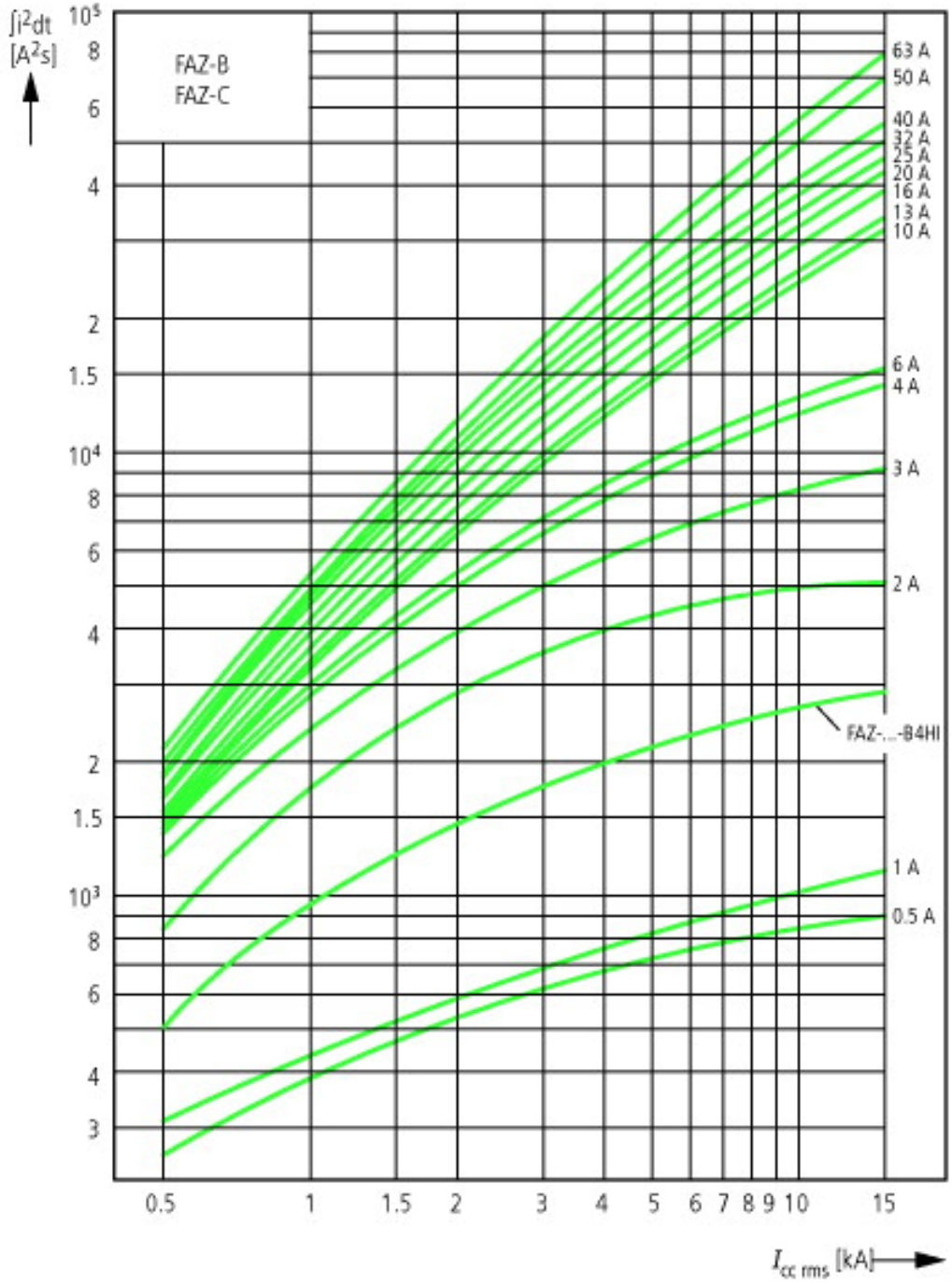


Electrical

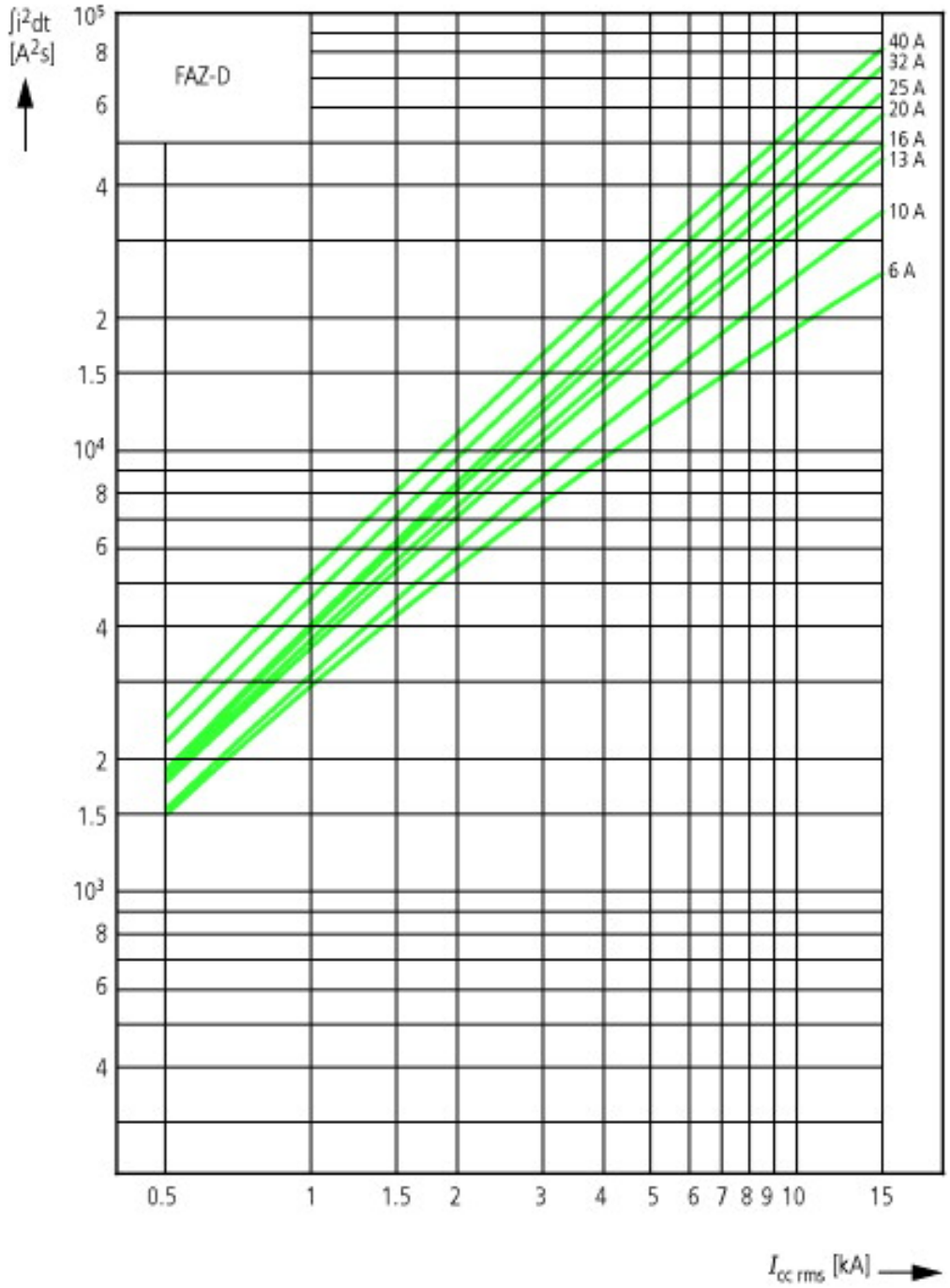
Standards			IEC/EN 60947-2 IEC/EN 60898
Rated operational voltage	U_e	V	
	U e	V AC	230/400
		V DC	48 (per pole)
Rated switching capacity		kA	15
Operational switching capacity		kA	7.5
Characteristic			B, C, D
Max. back-up fuse		A gL/gG	125
Selectivity Class			3
Lifespan	Operations		> 10000
Direction of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

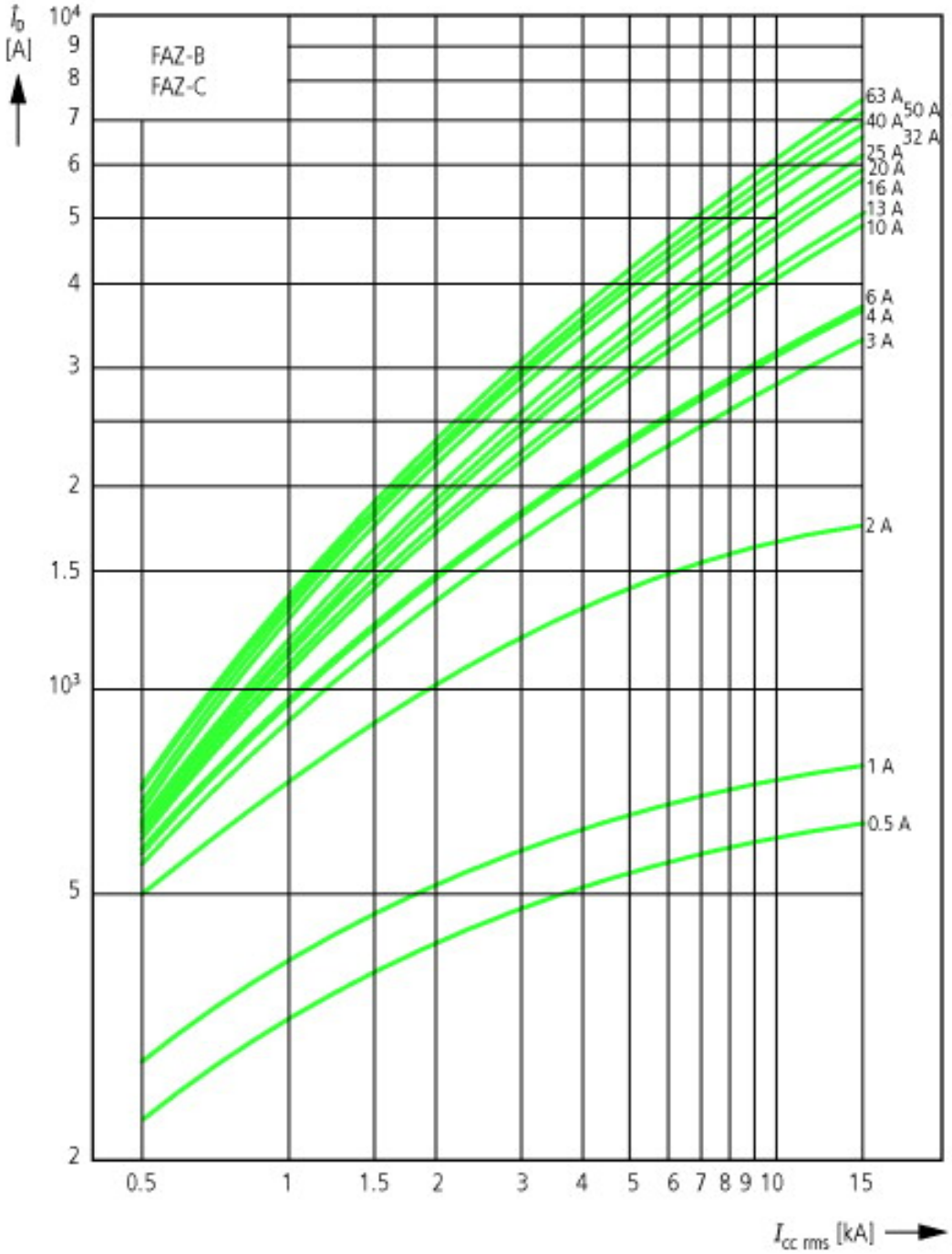
Mechanical

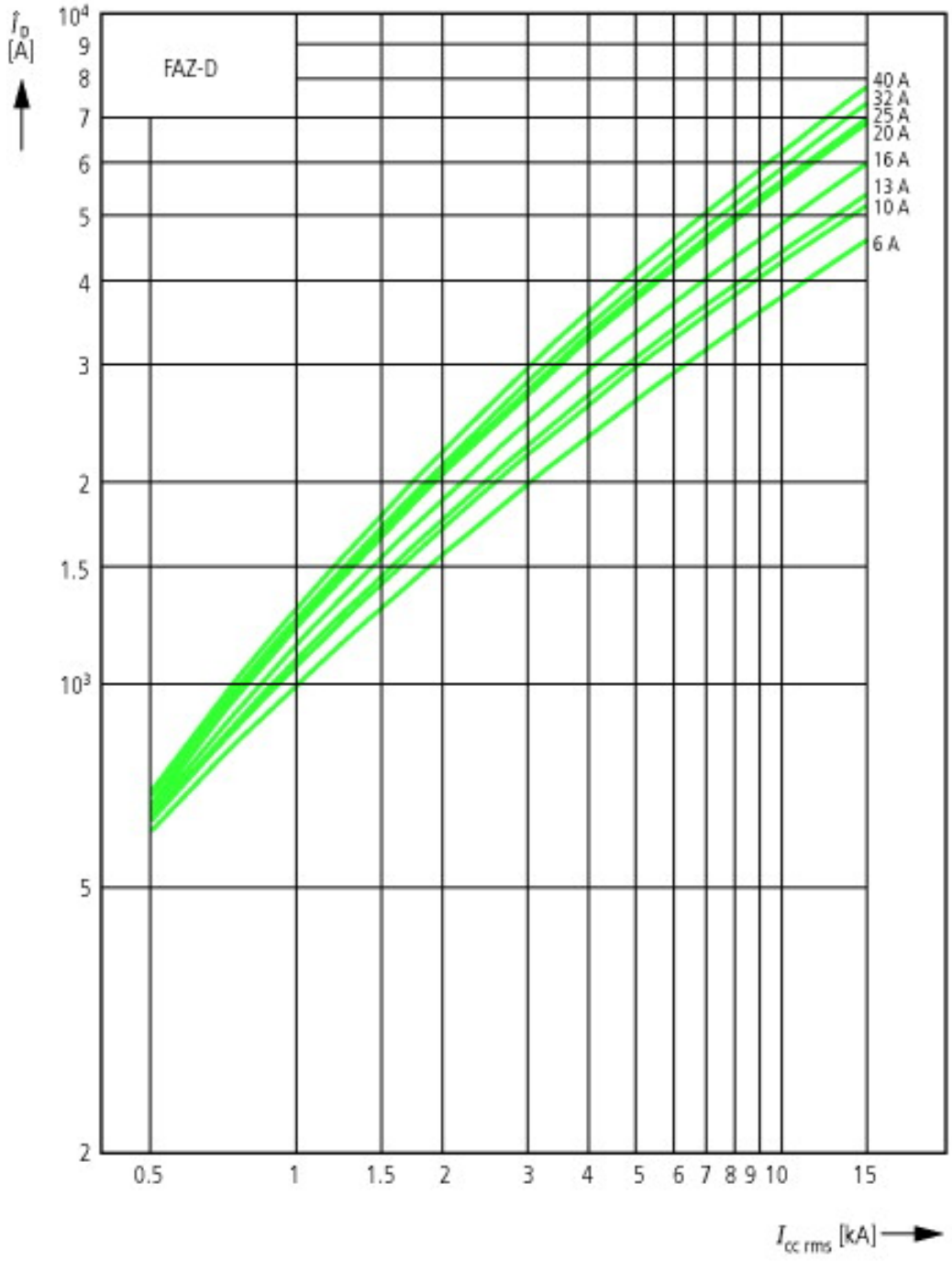
Standard front dimension		mm	45
Enclosure height		mm	80
Terminal protection			Finger and back-of-hand proof to BGV A2
Mounting width per pole		mm	17.5
Mounting			IEC/EN 60715 top-hat rail
Protection type			IP20, IP40 (when fitted)
Terminals top and bottom			Twin-purpose terminals
Terminal capacities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

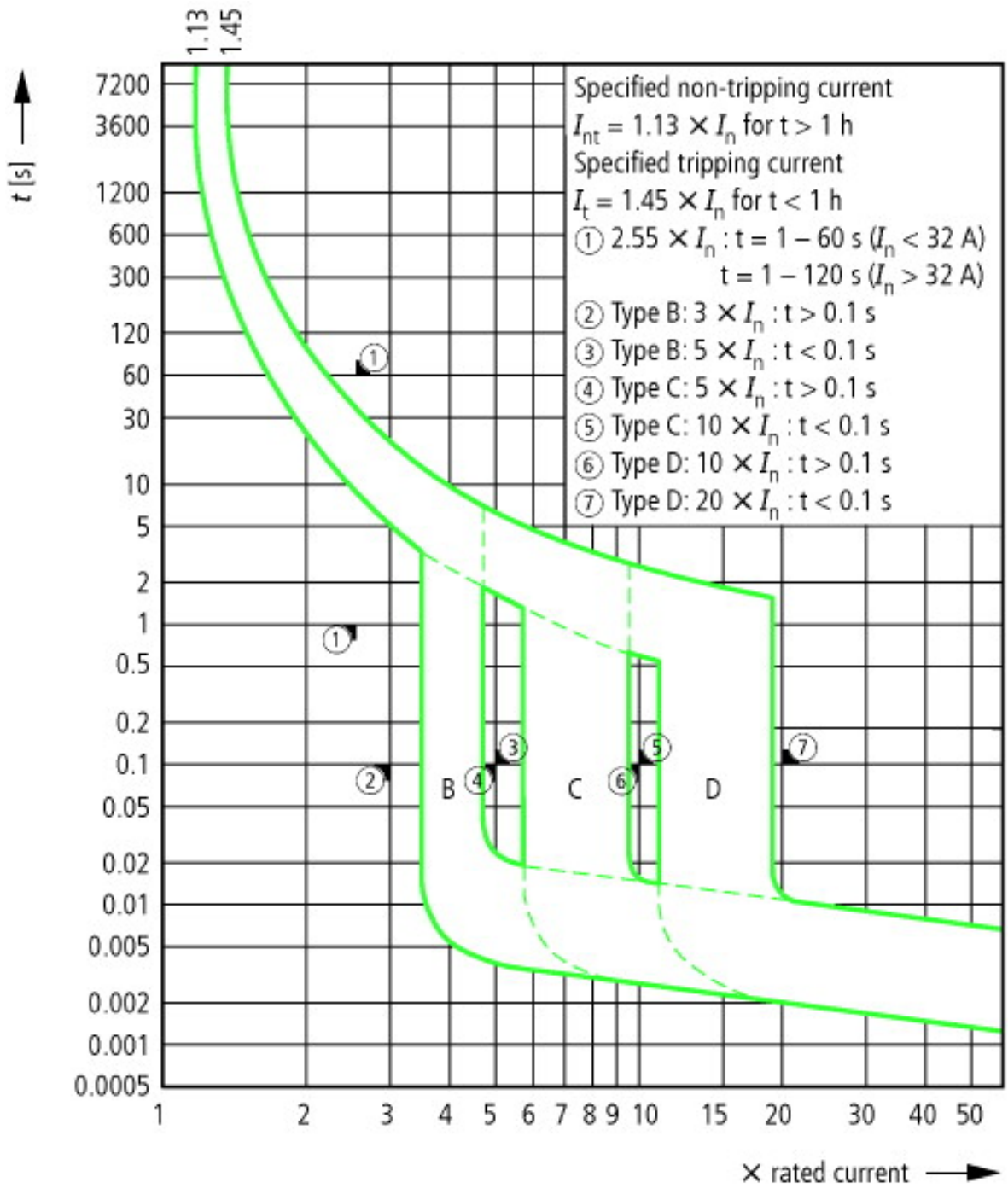


Let-through energy I^2t
According to IEC/EN 60898


∫i²dt
[A²s]
FAZ-D
40 A
32 A
25 A
20 A
16 A
13 A
10 A
6 A
10⁵
8
6
4
2
1.5
10⁴
8
6
4
2
1.5
10³
8
6
4
0.5
1
1.5
2
3
4
5
6
7
8
9
10
15
I cc rms [kA]

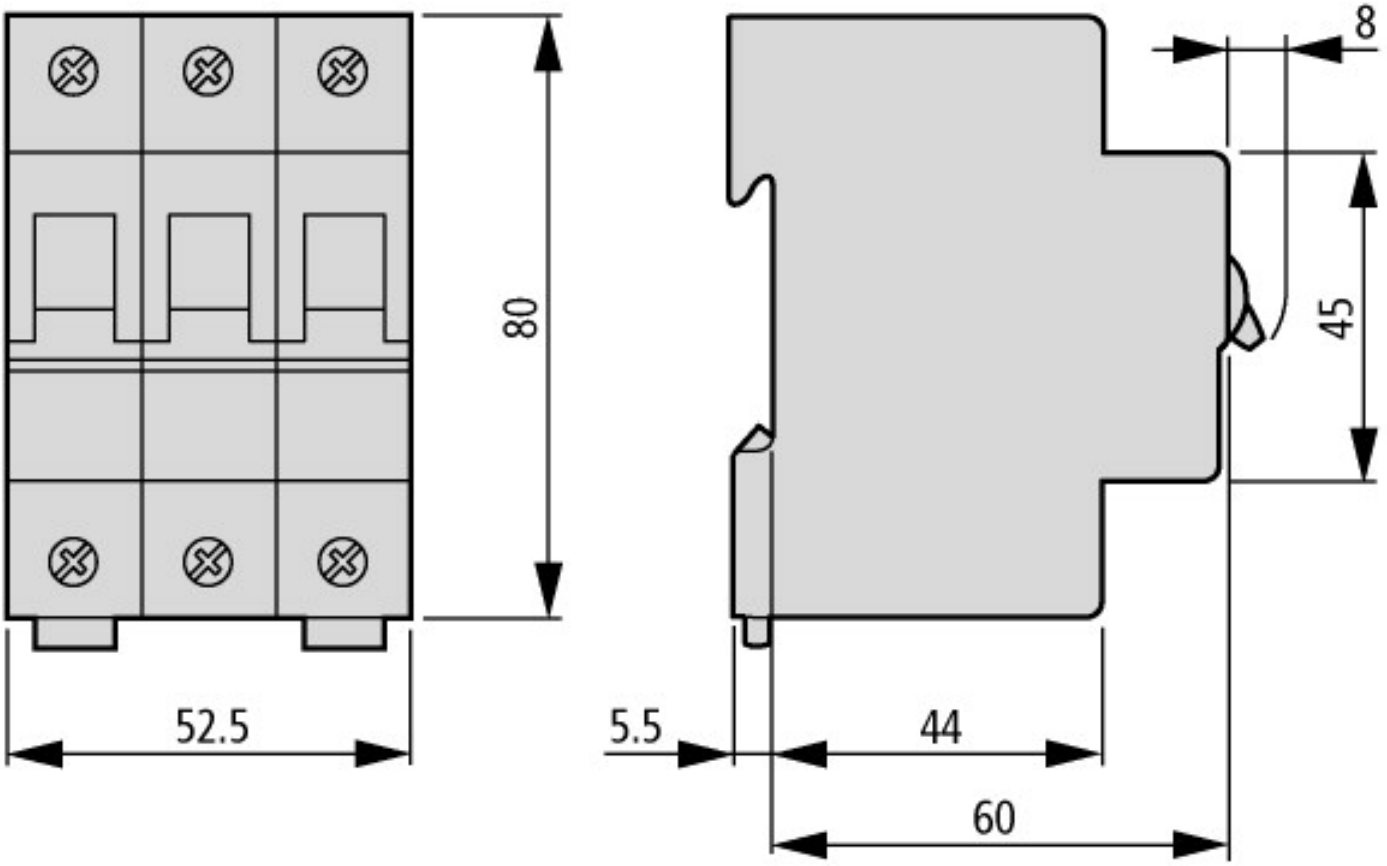

t_D [A]
FAZ-B
FAZ-C
63 A
50 A
40 A
32 A
25 A
20 A
16 A
13 A
10 A
6 A
4 A
3 A
2 A
1 A
0.5 A
$I_{cc\ rms}$ [kA]


I_D [A]
FAZ-D
40 A
32 A
25 A
20 A
16 A
13 A
10 A
6 A
10^4
9
8
7
6
5
4
3
2
1.5
10^3
5
2
0.5
1
1.5
2
3
4
5
6
7
8
9
10
15
$I_{cc\ rms}$ [kA]



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

Dimensions


80
52.5
8
45
5.5
44
60