

Installation Products for Industrial Applications



Product Information

- Circuit Breakers FAZ-T



Powering Business Worldwide

Optimal and powerful protection for every application



When it comes to protecting and switching, industry in many countries relies on Moeller's products.

Top product quality as well as tested reliability and safety guarantee a high level of protection for people, installations and systems. Official approvals in many countries prove that Moeller builds its products in line with the latest national and international regulations.

A powerful offering for mechanical engineering and panel building

The Xpole Industry FAZ-T is available in the characteristics B, C and D.

up to 25 kA	IEC/EN 60947-2
up to 15 kA	IEC/EN 60898-1
10 kA	IEC/EN 60947-2
at 60V d.c. 1-pole at 120V d.c. 2-pole	

FAZ-T Miniature Circuit Breakers (MCBs)

Characteristic B

	Rated Current I_n (A)	rated voltage EC/EN 60898-1	breaking capacity acc. to IEC/EN 60898-1	rated voltage IEC/EN 60947-2	breaking capacity acc. to IEC/EN 60947-2	rated d.c. voltage acc. to IEC/EN 60947-2	breaking capacity acc. to IEC/EN for 60 V d.c.	Type Designation	Article No.	Units per package
1-pole										
sg08603	1	240/415V	15kA	240V	25kA	60V d.c.	10kA	FAZTB1/1	240770	12/120
	2	240/415V	15kA	240V	25kA	60V d.c.	10kA	FAZTB2/1	240771	12/120
	3	240/415V	15kA	240V	25kA	60V d.c.	10kA	FAZTB3/1	240772	12/120
	4	240/415V	15kA	240V	25kA	60V d.c.	10kA	FAZTB4/1	240777	12/120
	6	240/415V	15kA	240V	25kA	60V d.c.	10kA	FAZTB6/1	240782	12/120
	10	240/415V	15kA	240V	25kA	60V d.c.	10kA	FAZTB10/1	240787	12/120
	12	240/415V	15kA	240V	25kA	60V d.c.	10kA	FAZTB12/1	240792	12/120
	13	240/415V	15kA	240V	25kA	60V d.c.	10kA	FAZTB13/1	240793	12/120
	15	240/415V	15kA	240V	25kA	60V d.c.	10kA	FAZTB15/1	240794	12/120
	16	240/415V	15kA	240V	25kA	60V d.c.	10kA	FAZTB16/1	240795	12/120
	20	240/415V	15kA	240V	25kA	60V d.c.	10kA	FAZTB20/1	240796	12/120
	25	240/415V	15kA	240V	25kA	60V d.c.	10kA	FAZTB25/1	240797	12/120
	32	240/415V	10kA	240V	20kA	60V d.c.	10kA	FAZTB32/1	141907	12/120
	40	240/415V	10kA	240V	20kA	60V d.c.	10kA	FAZTB40/1	141908	12/120
1-pole+N										
wa_sg01908	1	240V	15kA	240V	25kA			FAZTB1/1N	240994	1/60
	2	240V	15kA	240V	25kA			FAZTB2/1N	240995	1/60
	3	240V	15kA	240V	25kA			FAZTB3/1N	240996	1/60
	4	240V	15kA	240V	25kA			FAZTB4/1N	240997	1/60
	6	240V	15kA	240V	25kA			FAZTB6/1N	240998	1/60
	10	240V	15kA	240V	25kA			FAZTB10/1N	240999	1/60
	12	240V	15kA	240V	25kA			FAZTB12/1N	241000	1/60
	13	240V	15kA	240V	25kA			FAZTB13/1N	241001	1/60
	15	240V	15kA	240V	25kA			FAZTB15/1N	241005	1/60
	16	240V	15kA	240V	25kA			FAZTB16/1N	241009	1/60
	20	240V	15kA	240V	25kA			FAZTB20/1N	241015	1/60
	25	240V	15kA	240V	25kA			FAZTB25/1N	241019	1/60
	32	240V	10kA	240V	20kA			FAZTB32/1N	142509	1/60
	40	240V	10kA	240V	20kA			FAZTB40/1N	142510	1/60
2-pole										
sg08703	1	415V	15kA	240/415V	25kA	120V d.c.	10kA	FAZTB1/2	240820	1/60
	2	415V	15kA	240/415V	25kA	120V d.c.	10kA	FAZTB2/2	240821	1/60
	3	415V	15kA	240/415V	25kA	120V d.c.	10kA	FAZTB3/2	240822	1/60
	4	415V	15kA	240/415V	25kA	120V d.c.	10kA	FAZTB4/2	240823	1/60
	6	415V	15kA	240/415V	25kA	120V d.c.	10kA	FAZTB6/2	240824	1/60
	10	415V	15kA	240/415V	25kA	120V d.c.	10kA	FAZTB10/2	240825	1/60
	12	415V	15kA	240/415V	25kA	120V d.c.	10kA	FAZTB12/2	240826	1/60
	13	415V	15kA	240/415V	25kA	120V d.c.	10kA	FAZTB13/2	240827	1/60
	15	415V	15kA	240/415V	25kA	120V d.c.	10kA	FAZTB15/2	240828	1/60
	16	415V	15kA	240/415V	25kA	120V d.c.	10kA	FAZTB16/2	240829	1/60
	20	415V	15kA	240/415V	25kA	120V d.c.	10kA	FAZTB20/2	240830	1/60
	25	415V	15kA	240/415V	25kA	120V d.c.	10kA	FAZTB25/2	240831	1/60
	32	415V	10kA	240/415V	20kA	120V d.c.	10kA	FAZTB32/2	142485	1/60
	40	415V	10kA	240/415V	20kA	120V d.c.	10kA	FAZTB40/2	142486	1/60

FAZ-T Miniature Circuit Breakers (MCBs)

Characteristic B

Rated Current I_n (A)	rated voltage EC/EN 60898-1	breaking capacity acc. to IEC/EN 60898-1	rated voltage IEC/EN 60947-2	breaking capacity acc. to IEC/EN 60947-2	rated d.c. voltage acc. to IEC/EN 60947-2	breaking capacity acc. to IEC/EN for 60 V d.c.	Type Designation	Article No.	Units per package
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sg08803



3-pole

1	415V	15kA	240/415V	25kA			FAZTB1/3	240874	1/40
2	415V	15kA	240/415V	25kA			FAZTB2/3	240875	1/40
3	415V	15kA	240/415V	25kA			FAZTB3/3	240876	1/40
4	415V	15kA	240/415V	25kA			FAZTB4/3	240877	1/40
6	415V	15kA	240/415V	25kA			FAZTB6/3	240878	1/40
10	415V	15kA	240/415V	25kA			FAZTB10/3	240879	1/40
12	415V	15kA	240/415V	25kA			FAZTB12/3	240880	1/40
13	415V	15kA	240/415V	25kA			FAZTB13/3	240881	1/40
15	415V	15kA	240/415V	25kA			FAZTB15/3	240882	1/40
16	415V	15kA	240/415V	25kA			FAZTB16/3	240883	1/40
20	415V	15kA	240/415V	25kA			FAZTB20/3	240884	1/40
25	415V	15kA	240/415V	25kA			FAZTB25/3	240885	1/40
32	415V	10kA	240/415V	20kA			FAZTB32/3	142493	1/40
40	415V	10kA	240/415V	20kA			FAZTB40/3	142494	1/40

wa_sg07205



3-pole+N

1	415V	15kA	240/415V	25kA			FAZTB1/3N	241060	1/30
2	415V	15kA	240/415V	25kA			FAZTB2/3N	241065	1/30
3	415V	15kA	240/415V	25kA			FAZTB3/3N	241070	1/30
4	415V	15kA	240/415V	25kA			FAZTB4/3N	241075	1/30
6	415V	15kA	240/415V	25kA			FAZTB6/3N	241080	1/30
10	415V	15kA	240/415V	25kA			FAZTB10/3N	241085	1/30
12	415V	15kA	240/415V	25kA			FAZTB12/3N	241090	1/30
13	415V	15kA	240/415V	25kA			FAZTB13/3N	241095	1/30
15	415V	15kA	240/415V	25kA			FAZTB15/3N	241100	1/30
16	415V	15kA	240/415V	25kA			FAZTB16/3N	241105	1/30
20	415V	15kA	240/415V	25kA			FAZTB20/3N	241110	1/30
25	415V	15kA	240/415V	25kA			FAZTB25/3N	241115	1/30
32	415V	10kA	240/415V	20kA			FAZTB32/3N	142517	1/30
40	415V	10kA	240/415V	20kA			FAZTB40/3N	142518	1/30

sg08903



4-pole

1	415V	15kA	240/415V	25kA			FAZTB1/4	240922	1/30
2	415V	15kA	240/415V	25kA			FAZTB2/4	240927	1/30
3	415V	15kA	240/415V	25kA			FAZTB3/4	240930	1/30
4	415V	15kA	240/415V	25kA			FAZTB4/4	240931	1/30
6	415V	15kA	240/415V	25kA			FAZTB6/4	240932	1/30
10	415V	15kA	240/415V	25kA			FAZTB10/4	240933	1/30
12	415V	15kA	240/415V	25kA			FAZTB12/4	240934	1/30
13	415V	15kA	240/415V	25kA			FAZTB13/4	240935	1/30
15	415V	15kA	240/415V	25kA			FAZTB15/4	240936	1/30
16	415V	15kA	240/415V	25kA			FAZTB16/4	240937	1/30
20	415V	15kA	240/415V	25kA			FAZTB20/4	240938	1/30
25	415V	15kA	240/415V	25kA			FAZTB25/4	240939	1/30
32	415V	10kA	240/415V	20kA			FAZTB32/4	142501	1/30
40	415V	10kA	240/415V	20kA			FAZTB40/4	142502	1/30

FAZ-T Miniature Circuit Breakers (MCBs)

Characteristic C

	Rated Current I_n (A)	rated voltage EC/EN 60898-1	breaking capacity acc. to IEC/EN 60898-1	rated voltage IEC/EN 60947-2	breaking capacity acc. to IEC/EN 60947-2	rated d.c. voltage acc. to IEC/EN 60947-2	breaking capacity acc. to IEC/EN for 60 V d.c.	Type Designation	Article No.	Units per package	
1-pole											
	1	240/415V	15kA	240V	25kA	60V d.c.	10kA	FAZTC1/1	240798	12/120	
	2	240/415V	15kA	240V	25kA	60V d.c.	10kA	FAZTC2/1	240799	12/120	
	3	240/415V	15kA	240V	25kA	60V d.c.	10kA	FAZTC3/1	240800	12/120	
	4	240/415V	15kA	240V	25kA	60V d.c.	10kA	FAZTC4/1	240801	12/120	
	6	240/415V	15kA	240V	25kA	60V d.c.	10kA	FAZTC6/1	240802	12/120	
	10	240/415V	15kA	240V	25kA	60V d.c.	10kA	FAZTC10/1	240803	12/120	
	12	240/415V	15kA	240V	25kA	60V d.c.	10kA	FAZTC12/1	240804	12/120	
	13	240/415V	15kA	240V	25kA	60V d.c.	10kA	FAZTC13/1	240805	12/120	
	15	240/415V	15kA	240V	25kA	60V d.c.	10kA	FAZTC15/1	240806	12/120	
	16	240/415V	15kA	240V	25kA	60V d.c.	10kA	FAZTC16/1	240807	12/120	
	20	240/415V	15kA	240V	25kA	60V d.c.	10kA	FAZTC20/1	240808	12/120	
	25	240/415V	15kA	240V	25kA	60V d.c.	10kA	FAZTC25/1	240809	12/120	
	32	240/415V	10kA	240V	20kA	60V d.c.	10kA	FAZTC32/1	141909	12/120	
	40	240/415V	10kA	240V	20kA	60V d.c.	10kA	FAZTC40/1	142480	12/120	
	1-pole+N										
		1	240V	15kA	240V	25kA			FAZTC1/1N	241022	1/60
2		240V	15kA	240V	25kA			FAZTC2/1N	241023	1/60	
3		240V	15kA	240V	25kA			FAZTC3/1N	241024	1/60	
4		240V	15kA	240V	25kA			FAZTC4/1N	241025	1/60	
6		240V	15kA	240V	25kA			FAZTC6/1N	241026	1/60	
10		240V	15kA	240V	25kA			FAZTC10/1N	241027	1/60	
12		240V	15kA	240V	25kA			FAZTC12/1N	241028	1/60	
13		240V	15kA	240V	25kA			FAZTC13/1N	241029	1/60	
15		240V	15kA	240V	25kA			FAZTC15/1N	241030	1/60	
16		240V	15kA	240V	25kA			FAZTC16/1N	241034	1/60	
20		240V	15kA	240V	25kA			FAZTC20/1N	241038	1/60	
25		240V	15kA	240V	25kA			FAZTC25/1N	241044	1/60	
32		240V	10kA	240V	20kA			FAZTC32/1N	142511	1/60	
40		240V	10kA	240V	20kA			FAZTC40/1N	142512	1/60	
2-pole											
		1	415V	15kA	240/415V	25kA	120V d.c.	10kA	FAZTC1/2	240832	1/60
	2	415V	15kA	240/415V	25kA	120V d.c.	10kA	FAZTC2/2	240833	1/60	
	3	415V	15kA	240/415V	25kA	120V d.c.	10kA	FAZTC3/2	240838	1/60	
	4	415V	15kA	240/415V	25kA	120V d.c.	10kA	FAZTC4/2	240843	1/60	
	6	415V	15kA	240/415V	25kA	120V d.c.	10kA	FAZTC6/2	240850	1/60	
	10	415V	15kA	240/415V	25kA	120V d.c.	10kA	FAZTC10/2	240855	1/60	
	12	415V	15kA	240/415V	25kA	120V d.c.	10kA	FAZTC12/2	240858	1/60	
	13	415V	15kA	240/415V	25kA	120V d.c.	10kA	FAZTC13/2	240859	1/60	
	15	415V	15kA	240/415V	25kA	120V d.c.	10kA	FAZTC15/2	240860	1/60	
	16	415V	15kA	240/415V	25kA	120V d.c.	10kA	FAZTC16/2	240861	1/60	
	20	415V	15kA	240/415V	25kA	120V d.c.	10kA	FAZTC20/2	240862	1/60	
	25	415V	15kA	240/415V	25kA	120V d.c.	10kA	FAZTC25/2	240863	1/60	
	32	415V	10kA	240/415V	20kA	120V d.c.	10kA	FAZTC32/2	142487	1/60	
	40	415V	10kA	240/415V	20kA	120V d.c.	10kA	FAZTC40/2	142488	1/60	

sg08603



wa_sg01908



sg08703



FAZ-T Miniature Circuit Breakers (MCBs)

Characteristic C

Rated Current I_n (A)	rated voltage EC/EN 60898-1	breaking capacity acc. to IEC/EN 60898-1	rated voltage IEC/EN 60947-2	breaking capacity acc. to IEC/EN 60947-2	rated d.c. voltage acc. to IEC/EN 60947-2	breaking capacity acc. to IEC/EN for 60 V d.c.	Type Designation	Article No.	Units per package
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sg08803



3-pole

1	415V	15kA	240/415V	25kA			FAZTC1/3	240886	1/40
2	415V	15kA	240/415V	25kA			FAZTC2/3	240887	1/40
3	415V	15kA	240/415V	25kA			FAZTC3/3	240888	1/40
4	415V	15kA	240/415V	25kA			FAZTC4/3	240889	1/40
6	415V	15kA	240/415V	25kA			FAZTC6/3	240890	1/40
10	415V	15kA	240/415V	25kA			FAZTC10/3	240891	1/40
12	415V	15kA	240/415V	25kA			FAZTC12/3	240892	1/40
13	415V	15kA	240/415V	25kA			FAZTC13/3	240893	1/40
15	415V	15kA	240/415V	25kA			FAZTC15/3	240894	1/40
16	415V	15kA	240/415V	25kA			FAZTC16/3	240895	1/40
20	415V	15kA	240/415V	25kA			FAZTC20/3	240896	1/40
25	415V	15kA	240/415V	25kA			FAZTC25/3	240897	1/40
32	415V	10kA	240/415V	20kA			FAZTC32/3	142495	1/40
40	415V	10kA	240/415V	20kA			FAZTC40/3	142496	1/40

wa_sg07205



3-pole+N

1	415V	15kA	240/415V	25kA			FAZTC1/3N	241120	1/30
2	415V	15kA	240/415V	25kA			FAZTC2/3N	241125	1/30
3	415V	15kA	240/415V	25kA			FAZTC3/3N	241130	1/30
4	415V	15kA	240/415V	25kA			FAZTC4/3N	241135	1/30
6	415V	15kA	240/415V	25kA			FAZTC6/3N	241140	1/30
10	415V	15kA	240/415V	25kA			FAZTC10/3N	241145	1/30
12	415V	15kA	240/415V	25kA			FAZTC12/3N	241150	1/30
13	415V	15kA	240/415V	25kA			FAZTC13/3N	241155	1/30
15	415V	15kA	240/415V	25kA			FAZTC15/3N	241160	1/30
16	415V	15kA	240/415V	25kA			FAZTC16/3N	241165	1/30
20	415V	15kA	240/415V	25kA			FAZTC20/3N	241170	1/30
25	415V	15kA	240/415V	25kA			FAZTC25/3N	241175	1/30
32	415V	10kA	240/415V	20kA			FAZTC32/3N	142519	1/30
40	415V	10kA	240/415V	20kA			FAZTC40/3N	142520	1/30

sg08903



4-pole

1	415V	15kA	240/415V	25kA			FAZTC1/4	240940	1/30
2	415V	15kA	240/415V	25kA			FAZTC2/4	240941	1/30
3	415V	15kA	240/415V	25kA			FAZTC3/4	240945	1/30
4	415V	15kA	240/415V	25kA			FAZTC4/4	240949	1/30
6	415V	15kA	240/415V	25kA			FAZTC6/4	240955	1/30
10	415V	15kA	240/415V	25kA			FAZTC10/4	240959	1/30
12	415V	15kA	240/415V	25kA			FAZTC12/4	240962	1/30
13	415V	15kA	240/415V	25kA			FAZTC13/4	240963	1/30
15	415V	15kA	240/415V	25kA			FAZTC15/4	240964	1/30
16	415V	15kA	240/415V	25kA			FAZTC16/4	240965	1/30
20	415V	15kA	240/415V	25kA			FAZTC20/4	240966	1/30
25	415V	15kA	240/415V	25kA			FAZTC25/4	240967	1/30
32	415V	10kA	240/415V	20kA			FAZTC32/4	142503	1/30
40	415V	10kA	240/415V	20kA			FAZTC40/4	142504	1/30

FAZ-T Miniature Circuit Breakers (MCBs)

Characteristic D

	Rated Current I_n (A)	rated voltage EC/EN 60898-1	breaking capacity acc. to IEC/EN 60898-1	rated voltage IEC/EN 60947-2	breaking capacity acc. to IEC/EN 60947-2	rated d.c. voltage acc. to IEC/EN 60947-2	breaking capacity acc. to IEC/EN for 60 V d.c.	Type Designation	Article No.	Units per package
1-pole										
sg08603	11	240/415V	15kA	240V	25kA	60V d.c.	10kA	FAZTD1/1	240810	12/120
	2	240/415V	15kA	240V	25kA	60V d.c.	10kA	FAZTD2/1	240811	12/120
	3	240/415V	15kA	240V	25kA	60V d.c.	10kA	FAZTD3/1	240812	12/120
	4	240/415V	15kA	240V	25kA	60V d.c.	10kA	FAZTD4/1	240813	12/120
	6	240/415V	15kA	240V	25kA	60V d.c.	10kA	FAZTD6/1	240814	12/120
	10	240/415V	15kA	240V	25kA	60V d.c.	10kA	FAZTD10/1	240815	12/120
	12	240/415V	15kA	240V	25kA	60V d.c.	10kA	FAZTD12/1	240816	12/120
	13	240/415V	15kA	240V	25kA	60V d.c.	10kA	FAZTD13/1	240817	12/120
	15	240/415V	15kA	240V	20kA	60V d.c.	10kA	FAZTD15/1	240818	12/120
	16	240/415V	15kA	240V	20kA	60V d.c.	10kA	FAZTD16/1	240819	12/120
	20	240/415V	10kA	240V	20kA	60V d.c.	10kA	FAZTD20/1	142481	12/120
	25	240/415V	10kA	240V	15kA	60V d.c.	10kA	FAZTD25/1	142482	12/120
	32	240/415V	10kA	240V	15kA	60V d.c.	10kA	FAZTD32/1	142483	12/120
	40	240/415V	10kA	240V	15kA	60V d.c.	10kA	FAZTD40/1	142484	12/120
1-pole+N										
wa_sg01908	1	240V	15kA	240V	25kA			FAZTD1/1N	241048	1/60
	2	240V	15kA	240V	25kA			FAZTD2/1N	241051	1/60
	3	240V	15kA	240V	25kA			FAZTD3/1N	241052	1/60
	4	240V	15kA	240V	25kA			FAZTD4/1N	241053	1/60
	6	240V	15kA	240V	25kA			FAZTD6/1N	241054	1/60
	10	240V	15kA	240V	25kA			FAZTD10/1N	241055	1/60
	12	240V	15kA	240V	25kA			FAZTD12/1N	241056	1/60
	13	240V	15kA	240V	25kA			FAZTD13/1N	241057	1/60
	15	240V	15kA	240V	20kA			FAZTD15/1N	241058	1/60
	16	240V	15kA	240V	20kA			FAZTD16/1N	241059	1/60
	20	240V	10kA	240V	20kA			FAZTD20/1N	142513	1/60
	25	240V	10kA	240V	15kA			FAZTD25/1N	142514	1/60
	32	240V	10kA	240V	15kA			FAZTD32/1N	142515	1/60
	40	240V	10kA	240V	15kA			FAZTD40/1N	142516	1/60
2-pole										
sg08703	1	415V	15kA	240/415V	25kA	120V d.c.	10kA	FAZTD1/2	240864	1/60
	2	415V	15kA	240/415V	25kA	120V d.c.	10kA	FAZTD2/2	240865	1/60
	3	415V	15kA	240/415V	25kA	120V d.c.	10kA	FAZTD3/2	240866	1/60
	4	415V	15kA	240/415V	25kA	120V d.c.	10kA	FAZTD4/2	240867	1/60
	6	415V	15kA	240/415V	25kA	120V d.c.	10kA	FAZTD6/2	240868	1/60
	10	415V	15kA	240/415V	25kA	120V d.c.	10kA	FAZTD10/2	240869	1/60
	12	415V	15kA	240/415V	25kA	120V d.c.	10kA	FAZTD12/2	240870	1/60
	13	415V	15kA	240/415V	25kA	120V d.c.	10kA	FAZTD13/2	240871	1/60
	15	415V	15kA	240/415V	20kA	120V d.c.	10kA	FAZTD15/2	240872	1/60
	16	415V	15kA	240/415V	20kA	120V d.c.	10kA	FAZTD16/2	240873	1/60
	20	415V	10kA	240/415V	20kA	120V d.c.	10kA	FAZTD20/2	142489	1/60
	25	415V	10kA	240/415V	15kA	120V d.c.	10kA	FAZTD25/2	142490	1/60
	32	415V	10kA	240/415V	15kA	120V d.c.	10kA	FAZTD32/2	142491	1/60
	40	415V	10kA	240/415V	15kA	120V d.c.	10kA	FAZTD40/2	142492	1/60

FAZ-T Miniature Circuit Breakers (MCBs)

Characteristic B

Rated Current I_n (A)	rated voltage EC/EN 60898-1	breaking capacity acc. to IEC/EN 60898-1	rated voltage IEC/EN 60947-2	breaking capacity acc. to IEC/EN 60947-2	rated d.c. voltage acc. to IEC/EN 60947-2	breaking capacity acc. to IEC/EN for 60 V d.c.	Type Designation	Article No.	Units per package
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sg08803



3-pole

1	415V	15kA	240/415V	25kA			FAZTD1/3	240898	1/40
2	415V	15kA	240/415V	25kA			FAZTD2/3	240899	1/40
3	415V	15kA	240/415V	25kA			FAZTD3/3	240900	1/40
4	415V	15kA	240/415V	25kA			FAZTD4/3	240901	1/40
6	415V	15kA	240/415V	25kA			FAZTD6/3	240902	1/40
10	415V	15kA	240/415V	25kA			FAZTD10/3	240903	1/40
12	415V	15kA	240/415V	25kA			FAZTD12/3	240904	1/40
13	415V	15kA	240/415V	25kA			FAZTD13/3	240905	1/40
15	415V	15kA	240/415V	25kA			FAZTD15/3	240910	1/40
16	415V	15kA	240/415V	25kA			FAZTD16/3	240915	1/40
20	415V	10kA	240/415V	20kA			FAZTD20/3	142497	1/40
25	415V	10kA	240/415V	15kA			FAZTD25/3	142498	1/40
32	415V	10kA	240/415V	15kA			FAZTD32/3	142499	1/40
40	415V	10kA	240/415V	15kA			FAZTD40/3	142500	1/40

wa_sg07205



3-pole+N

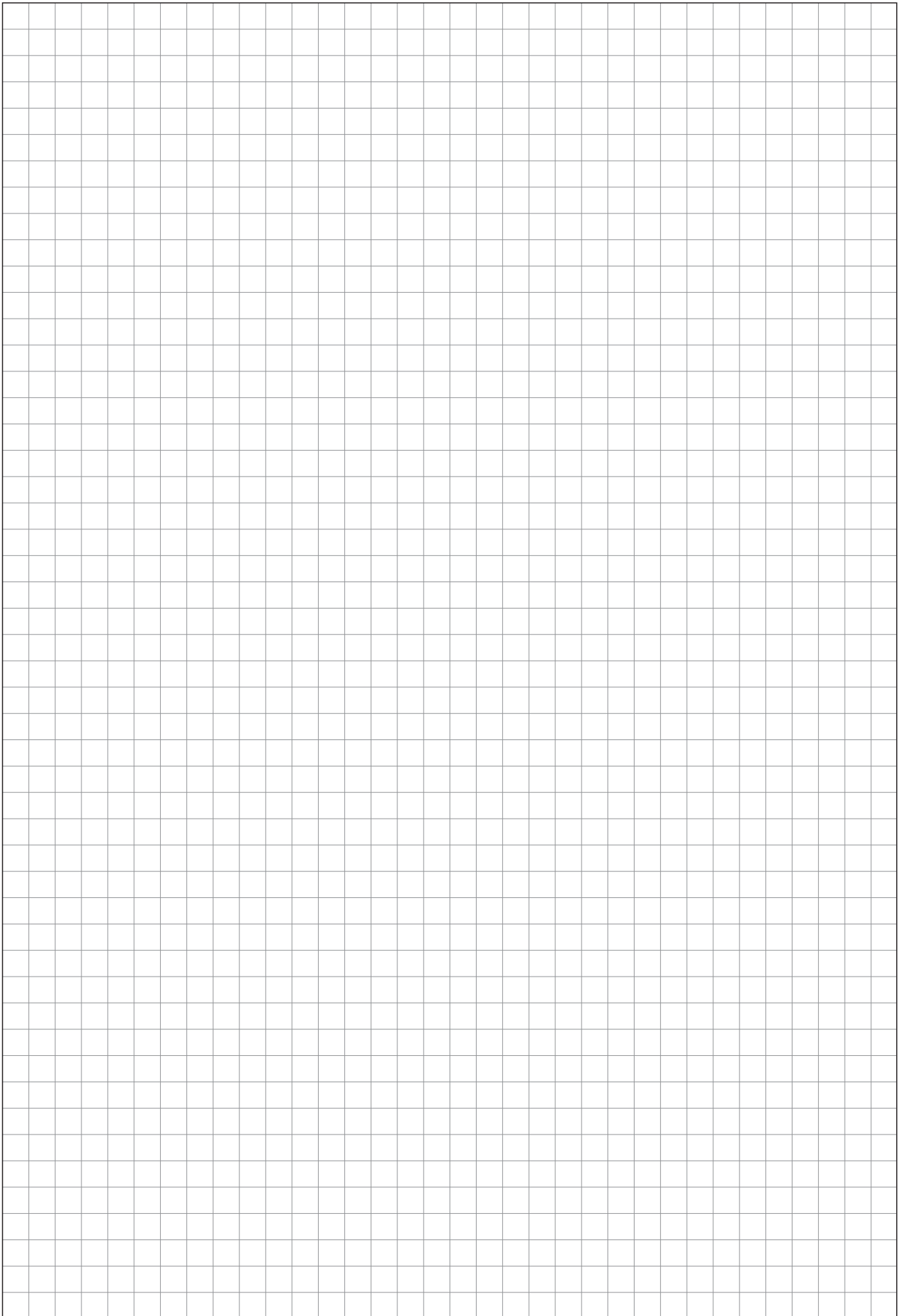
1	415V	15kA	240/415V	25kA			FAZTD1/3N	241180	1/30
2	415V	15kA	240/415V	25kA			FAZTD2/3N	241181	1/30
3	415V	15kA	240/415V	25kA			FAZTD3/3N	241182	1/30
4	415V	15kA	240/415V	25kA			FAZTD4/3N	241183	1/30
6	415V	15kA	240/415V	25kA			FAZTD6/3N	241184	1/30
10	415V	15kA	240/415V	25kA			FAZTD10/3N	241185	1/30
12	415V	15kA	240/415V	25kA			FAZTD12/3N	241186	1/30
13	415V	15kA	240/415V	25kA			FAZTD13/3N	241187	1/30
15	415V	15kA	240/415V	25kA			FAZTD15/3N	241188	1/30
16	415V	15kA	240/415V	25kA			FAZTD16/3N	241189	1/30
20	415V	10kA	240/415V	20kA			FAZTD20/3N	142521	1/30
25	415V	10kA	240/415V	15kA			FAZTD25/3N	142522	1/30
32	415V	10kA	240/415V	15kA			FAZTD32/3N	142523	1/30
40	415V	10kA	240/415V	15kA			FAZTD40/3N	142524	1/30

sg08903



4-pole

1	415V	15kA	240/415V	25kA			FAZTD1/4	240968	1/30
2	415V	15kA	240/415V	25kA			FAZTD2/4	240969	1/30
3	415V	15kA	240/415V	25kA			FAZTD3/4	240970	1/30
4	415V	15kA	240/415V	25kA			FAZTD4/4	240971	1/30
6	415V	15kA	240/415V	25kA			FAZTD6/4	240975	1/30
10	415V	15kA	240/415V	25kA			FAZTD10/4	240979	1/30
12	415V	15kA	240/415V	25kA			FAZTD12/4	240985	1/30
13	415V	15kA	240/415V	25kA			FAZTD13/4	240989	1/30
15	415V	15kA	240/415V	25kA			FAZTD15/4	240992	1/30
16	415V	15kA	240/415V	25kA			FAZTD16/4	240993	1/30
20	415V	10kA	240/415V	20kA			FAZTD20/4	142505	1/30
25	415V	10kA	240/415V	15kA			FAZTD25/4	142506	1/30
32	415V	10kA	240/415V	15kA			FAZTD32/4	142507	1/30
40	415V	10kA	240/415V	15kA			FAZTD40/4	142508	1/30



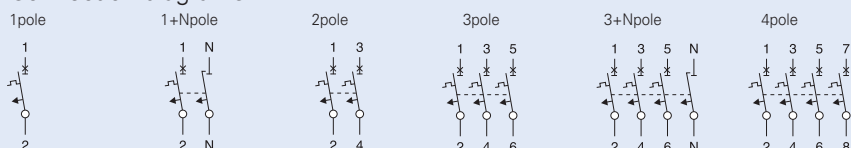
Miniature Circuit Breakers FAZ-T

- High selectivity for pre-fuse purposes through low level of let-through energy
- Busbar compatible
- Twin-purpose terminal lift/open-mouthed at the top and bottom
- Free selection of busbar arrangement at the top and bottom
- Devices meet the requirements of insulation coordination, ≥ 4 mm distance between contacts, for safe electrical separation
- High rated voltage capacity
- High level of let-through energy
- 60V d.c. per pole (max. 2-poles in series)

Accessories:

Auxiliary switches		
suitable for retro-fitting	ZP-IHK	286052
	ZP-WHK	286053
Tripping signal contact		
suitable for retro-fitting	ZP-NHK	248437
Remote control and automatic resetting device	Z-FW/LP	248296
Shunt trip release	ZP-ASA/..	248438, 248439
Undervoltage release	Z-USA/..	248288-248291
Compact enclosure	KLV-TC-2	276240
	KLV-TC-4	276241
Additional terminal 35mm ²	Z-HA-EK/35	263960
Tripping interlock	Z-IS/SPE-1TE	101911

Connection diagrams



Technical Data

Electrical

Design in accordance with	IEC/EN 60947-2 IEC/EN 60948-1
Current test marks as printed onto the device	
Rated voltage U_n	240/415V a.c.
Rated d.c. voltage	1-pole 60V d.c. 2-pole in series 120V d.c.
Rated frequency	50/60 Hz
Rated insulation voltage U_i	440 V a.c.
Rated impulse withstand voltage U_{imp}	4 kV (1.2/50) μ sec
Characteristics	B, C, D
Rated ultimate short circuit breaking capacity I_{cu}	(IEC/EN 60947-2)

B	C	D
all-pole	all-pole	1p/1p+N/2p 3p/3p+N/4p
1-25A: 25kA	1-25A: 25kA	1-13A: 25kA 1-16A: 25kA
32-40A: 20kA	32-40A: 20kA	15-20A: 20kA 20A: 20kA
		25-40A: 15kA 25-40A: 15kA

Rated service short-circuit breaking capacity I_{cs} (IEC/EN60947-2)

for $I_{cu} = 25kA \rightarrow I_{cs} = 12,5kA$

for $I_{cu} = 20kA \rightarrow I_{cs} = 10kA$

for $I_{cu} = 15kA \rightarrow I_{cs} = 7,5kA$

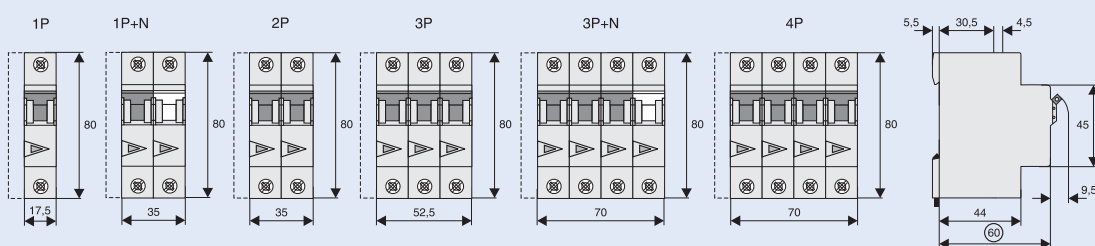
Rated short-circuit capacity I_{cn} (IEC/EN60898-1)

B	C	D
1-25A: 15kA	1-25A: 15kA	1-16A: 15kA
32-40A: 10kA	32-40A: 10kA	20-40A: 10kA

Mechanical

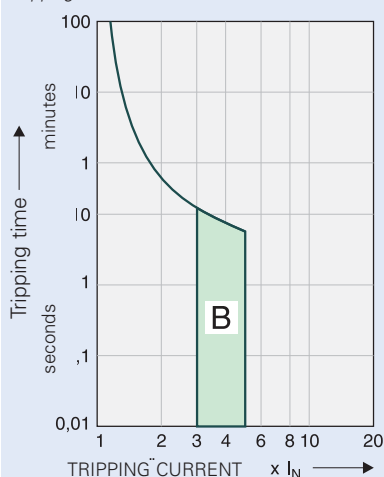
Frame size	45 mm
Device height	80 mm
Built-in width	17.5 mm per pole (1MU)
Mounting	Quick-fastening with 3 snap-in positions for DIN rail IEC/EN 60715
Degree of protection	IP20
Upper and lower terminals	Open-mouthed/lift terminals
Terminal protection	Finger and hand-touch safe acc. to BGV A3 and ÖVE-EN 6
Terminal capacity	1-25 mm ²
Tightening torque of terminal screws	2-2.4 Nm
Busbar thickness	0.8 - 2 mm
Installation	irrespective of position

Dimensions (mm)

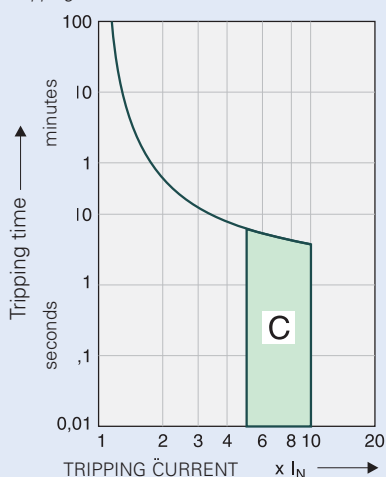


Tripping Characteristics (IEC/EN 60898-1)

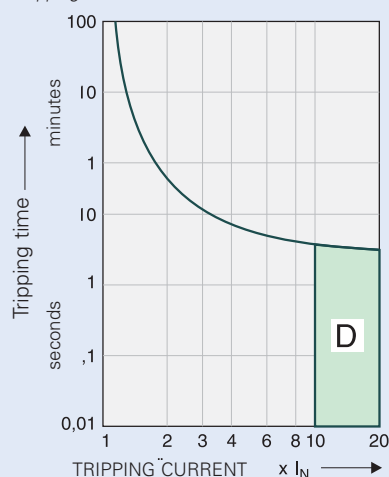
Tripping characteristic B



Tripping characteristic C



Tripping characteristic D



Quick (B), slow (C) and very slow (D).

Total power loss at In

Tripping characteristic B

	1p	1pN	2p	3p	3pN*	4p
In[A]	P [W]	P [W]	P [W]	P [W]	P [W]	P [W]
1	1,6	1,7	3,1	4,7	4,8	6,3
2	1,4	1,5	2,8	4,1	4,3	5,5
3	2,5	2,7	5	7,6	7,8	10,1
4	1,4	1,6	2,9	4,4	4,5	5,8
6	1,8	2	3,6	5,5	5,6	7,3
10	1,9	2,1	3,9	5,9	6,1	7,8
12	2,8	3,2	5,9	8,7	9	11,5
13	2,5	2,9	5,3	7,8	8,1	10,3
15	2,1	2,4	4,4	6,5	6,7	8,6
16	2,2	2,6	4,7	6,9	7,2	9,1
20	3,2	3,6	6,6	9,8	10,1	13
25	3	3,5	6,4	9,4	9,7	12,4
32	3,7	4,4	8,1	12,1	12,5	15,8
40	3,4	4,1	7,5	11,2	11,5	14,6

Tripping characteristic C

	1p	1pN	2p	3p	3pN*	4p
In[A]	P [W]	P [W]	P [W]	P [W]	P [W]	P [W]
1	1,6	1,7	3,1	4,7	4,8	6,3
2	1,4	1,5	2,8	4,1	4,3	5,5
3	1,2	1,3	2,4	3,6	3,7	4,8
4	1,4	1,6	2,9	4,4	4,5	5,8
6	1,5	1,6	2,9	4,4	4,6	5,9
10	1,5	1,7	3	4,6	4,7	6,1
12	2,1	2,4	4,4	6,5	6,8	8,6
13	2,5	2,9	5,3	7,8	8,1	10,3
15	2,1	2,4	4,4	6,5	6,7	8,6
16	2,2	2,6	4,7	6,9	7,2	9,1
20	3,2	3,6	6,6	9,8	10,1	13
25	3	3,5	6,4	9,4	9,7	12,4
32	3,7	4,4	8,1	12,1	12,5	15,8
40	3,4	4,1	7,5	11,2	11,5	14,6

Tripping characteristic D

	1p	1pN	2p	3p	3pN*	4p
In[A]	P [W]	P [W]	P [W]	P [W]	P [W]	P [W]
1	0,8		1,6	2,4	2,5	3,2
2	1	1,1	2	3	3,1	4
3	1,2	1,3	2,4	3,6	3,7	4,8
4	1,4	1,6	2,9	4,4	4,5	5,8
6	1,5	1,6	2,9	4,4	4,6	5,9
10	1,5	1,7	3	4,6	4,7	6,1
12	1,7	2	3,6	5,3	5,4	7
13	1,9	2,2	4	5,9	6,1	7,8
15	2,1	2,4	4,4	6,5	6,7	8,6
16	2,2	2,6	4,7	6,9	7,2	9,1
20	2	2,2	4,1	6,1	6,2	8,1
25	2,5	2,9	5,2	7,7	7,9	10,2
32	3,4	4	7,4	11,1	11,4	14,5
40	3,2	3,8	7	10,4	10,7	13,6

Influence of ambient temperature on load carrying capacity (Temperature derating)

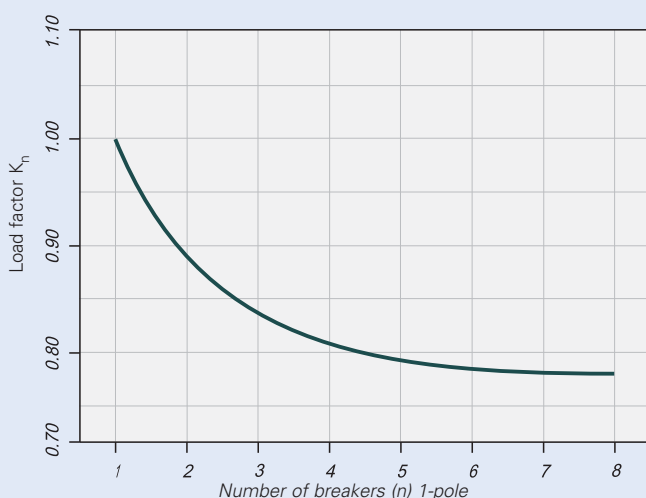
	ambient temperature T_a [°C]																
I_N [A]	-40	-30	-20	-10	0	10	20	30	35	40	45	50	55	60	65	70	75
1	1.3	1.2	1.2	1.2	1.1	1.1	1.0	1.0	0.99	0.97	0.95	0.93	0.90	0.89	0.87	0.85	0.83
2	2.6	2.5	2.4	2.3	2.2	2.2	2.1	2.0	2.0	1.9	1.9	1.9	1.8	1.8	1.7	1.7	1.7
3	3.8	3.7	3.6	3.5	3.4	3.3	3.1	3.0	3.0	2.9	2.8	2.8	2.7	2.7	2.6	2.5	2.5
4	5.1	5.0	4.8	4.7	4.5	4.3	4.2	4.0	3.9	3.9	3.8	3.7	3.6	3.5	3.5	3.4	3.3
6	7.7	7.5	7.2	7.0	6.7	6.5	6.3	6.0	5.9	5.8	5.7	5.6	5.4	5.3	5.2	5.1	5.0
10	13	12	12	12	11	11	10	10	9.9	9.7	9.5	9.3	9.0	8.9	8.7	8.5	8.3
12	15	15	14	14	13	13	13	12	12	12	11	11	11	11	10	10	10
13	17	16	16	15	15	14	14	13	13	13	12	12	12	12	11	11	11
15	19	19	18	17	17	16	16	15	15	15	14	14	14	13	13	13	12
16	20	20	19	19	18	17	17	16	16	15	15	15	14	14	14	14	13
20	26	25	24	23	22	22	21	20	20	19	19	19	18	18	17	17	17
25	32	31	30	29	28	27	26	25	25	24	24	23	23	22	22	21	21
32	41	40	38	37	36	35	33	32	32	31	30	30	29	28	28	27	26
40	51	50	48	47	45	43	42	40	39	39	38	37	36	35	35	34	33

Influence of mains frequency

Influence of mains frequency on the tripping behaviour I_{MA} of the quick tripping device

	Mains frequency f [Hz]						
	$16\frac{2}{3}$	50	60	100	200	300	400
$I_{MA}(f)/I_{MA}(50\text{Hz})$ [%]	91	100	101	106	115	134	141

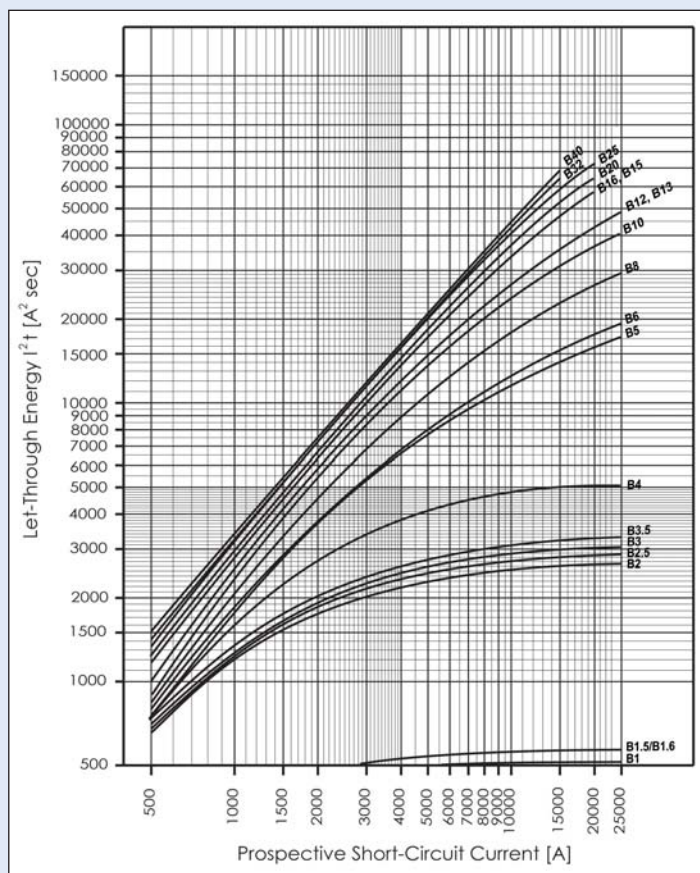
Load rating in case of circuit breakers arranged one next to the other



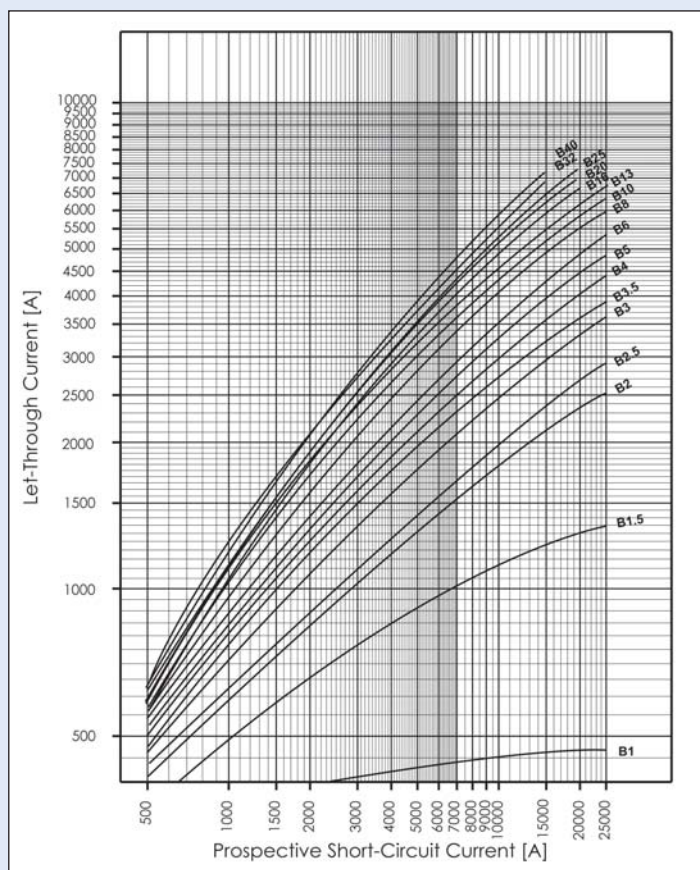
FAZ-T Miniature Circuit Breakers (MCBs)

Characteristic B

Let-Through Energy FAZ T



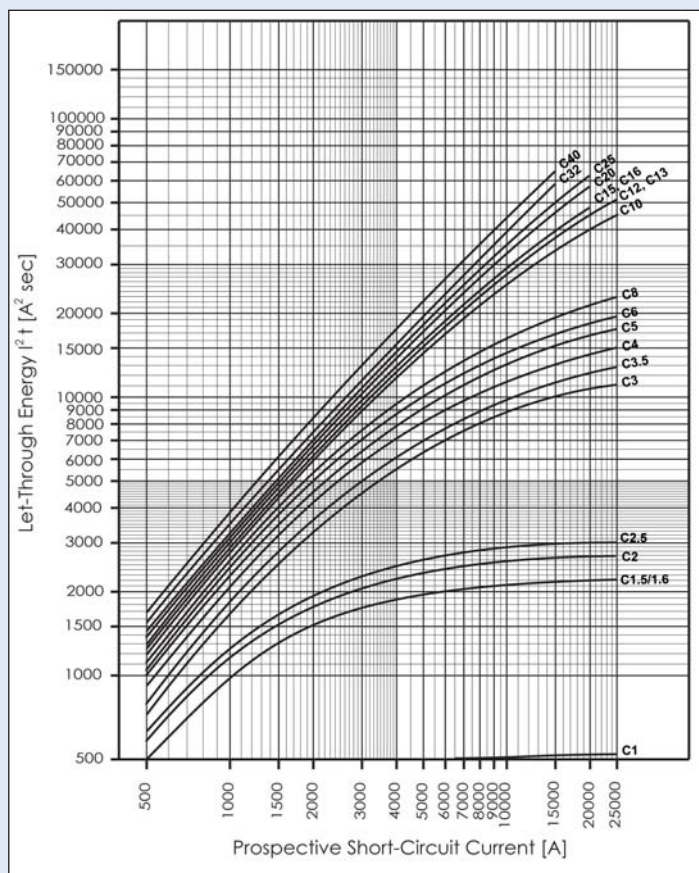
Let-Through Current FAZ T



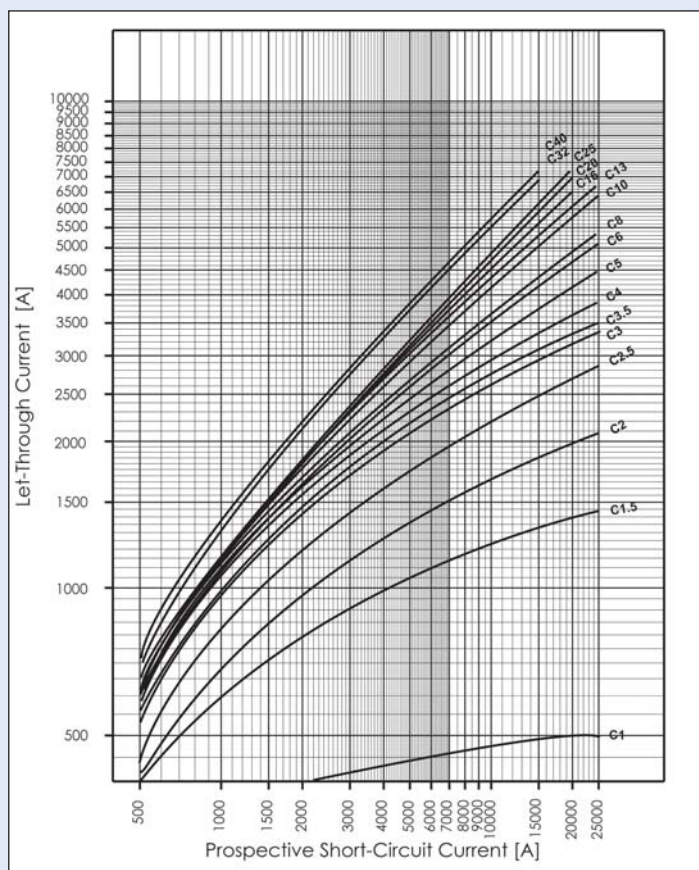
FAZ-T Miniature Circuit Breakers (MCBs)

Characteristic C

Let-Through Energy FAZ T



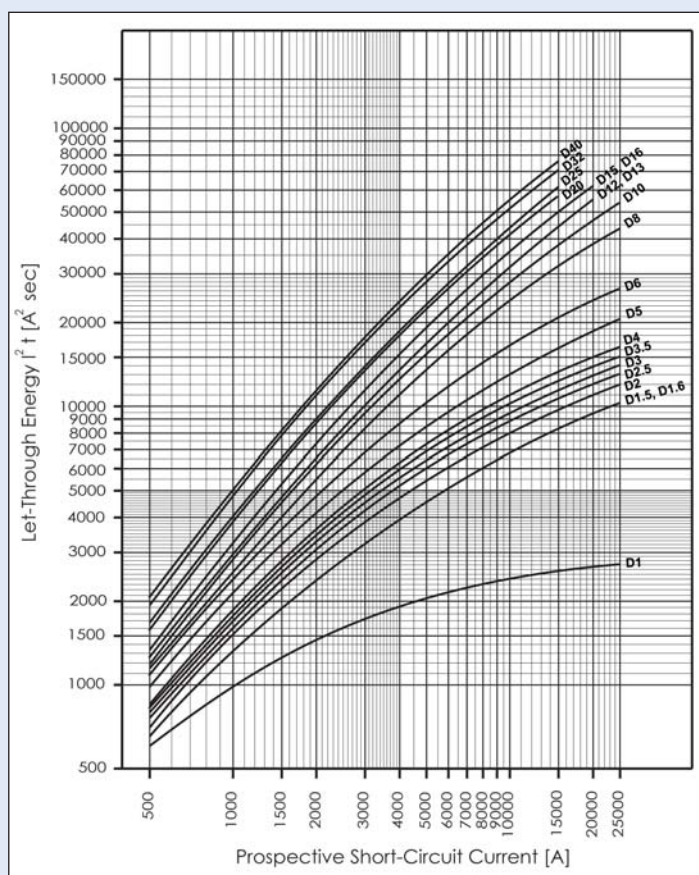
Let-Through Current FAZ T



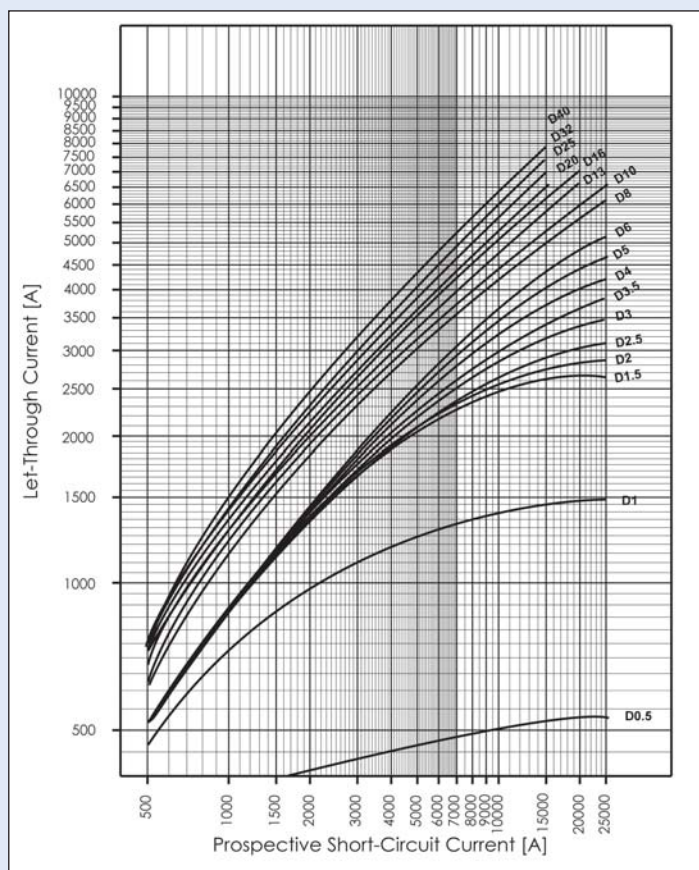
FAZ-T Miniature Circuit Breakers (MCBs)

Characteristic D

Let-Through Energy FAZ T



Let-Through Current FAZ T



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Addresses worldwide:
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