Up to 25 kA

According to IEC/EN 60947-2

Protection for any application – safety up to 125 A

Eaton products and solutions are used in industrial, panel-building and commercial applications all over the world. Thanks to their proven quality, international certifications and marine or rail approvals, our xEffect industrial miniature circuit breakers offer the functionality and safety required by the global market. In conjunction with our versatile range of rail-mounted devices and accessories, they provide users with more options for solving complex tasks.

Furthermore, we offer a comprehensive range of residual-current circuit breakers to protect people from electric shock and installations against fire.

Get more information

Industrial clients in many countries rely on our protective devices and switchgear.

Superior product quality and tested safety guarantee a high level of protection for people, installations and equipment. Approvals from many countries confirm that we build our products in accordance with the latest national and international standards. The high, IEC/EN 60947-2 compliant rated breaking capacity of the FAZ (15 kA) and FAZT (15 to 25 kA) devices, as well as their excellent current-limiting and selectivity characteristics, ensure maximum system protection and availability.

Powerful products for machine and panel building

The xEffect FAZ industrial circuit breakers are available with B, C and D characteristics in accordance with IEC/EN 60898-1. Due to the growth in the use of sensitive electronics, special characteristics are required for effective protection. To this end, the Z characteristic with a short-circuit trip current of 2 to 3 x I_n provides fast overload protection. The K characteristic with a high short-circuit trip current of 8 to 12 x I_n prevents nuisance tripping when switching three-phase loads. The most commonly used type in panel-building applications is the S characteristic with a limited trip range of 13 to 17 x I_n.

Digital residual-current protection for enhanced operational continuity

In both 3- and 4-pole applications, our new digital residual-current circuit breakers act as powerful multi-functional "bodyguards," designed to provide safety in a wide range of distributed environments. They are as intelligent as they are vigilant and will switch off any residual current. These digital bodyguards will immediately indicate any irregularities. Their advance warning function enables operators to intervene and ensures operational continuity. In the event of a real danger, the digital RCD will switch off with pinpoint accuracy – much more precisely than a conventional analog circuit breaker. This precise tripping behavior reduces nuisance tripping to a minimum and increases operational continuity.

Gradual fault warning

Digital circuit breakers use a potential-free switching contact to communicate with their surroundings. Operators therefore do not necessarily have to run to the distribution board to check the status of the system, but are automatically warned, for example, if $I_\Delta > 0.3 \times I_{\Delta n}$. Anything is possible, from the simple control of external lights and/or buzzers to the connection of monitoring systems, including mobile phone notifications via text message.

Continuous monitoring of electrical systems

An LED traffic light on the device makes it possible to determine the system status at a glance.

Green = normal range
Yellow = the leakage or fault current amounts to 30–50 % of $I_{\Delta n}$
Red = the leakage or fault current amounts to > 50 % of $I_{\Delta n}$. The device will trip once a value of 100 % is almost reached.

Ease of use combined with efficiency and safety

The test button of the digital RCD only needs to be pressed once a year. The integrated overload functionality means that no thermal back-up fuse is required. Thanks to the integrated short-time delay (G-type), the circuit breaker will not trip in the event of brief transient overvoltages (e.g. lightning strikes). Meanwhile, the lift/claw terminals at the top and bottom are also easy to use. The integrated red-green position indicator and the white-blue fault-current tripping indicator provide all the information you need directly on the circuit breaker. A wide range of accessories, such as the Z-HK, can be retrofitted, while the device can also be sealed for additional safety.

Type F residual-current device

Type F residual-current circuit breakers are specially designed for use in applications featuring single-phase variable frequency drives, such as pumps, welding units, vibrators or impact drills. In such applications, residual currents with mixed frequencies may occur, which cannot be detected by Type AC and Type A residual-current circuit breakers.

Versatile, modular devices

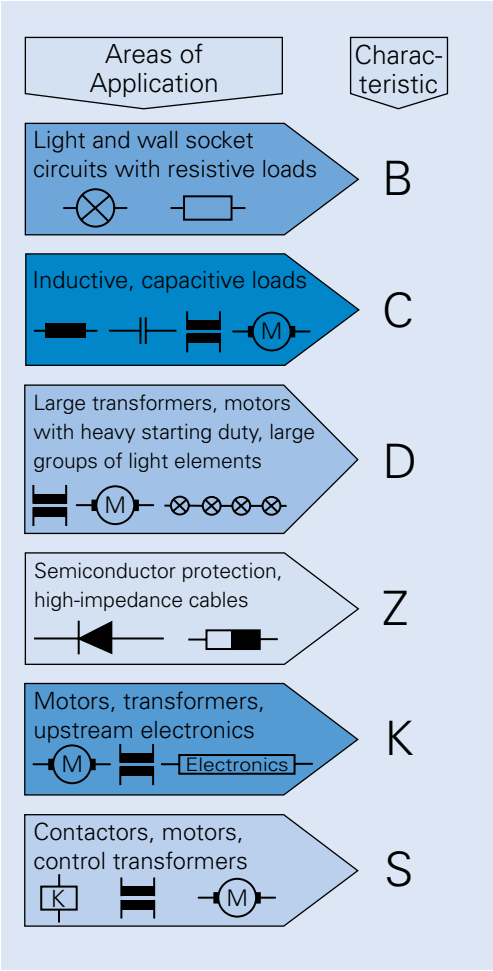
We offer a wide range of rail- mounted devices for controlling, switching and signaling. All devices are suitable for DIN-rail mounting and are easy to mount and wire, making them ideal for any industrial installation.

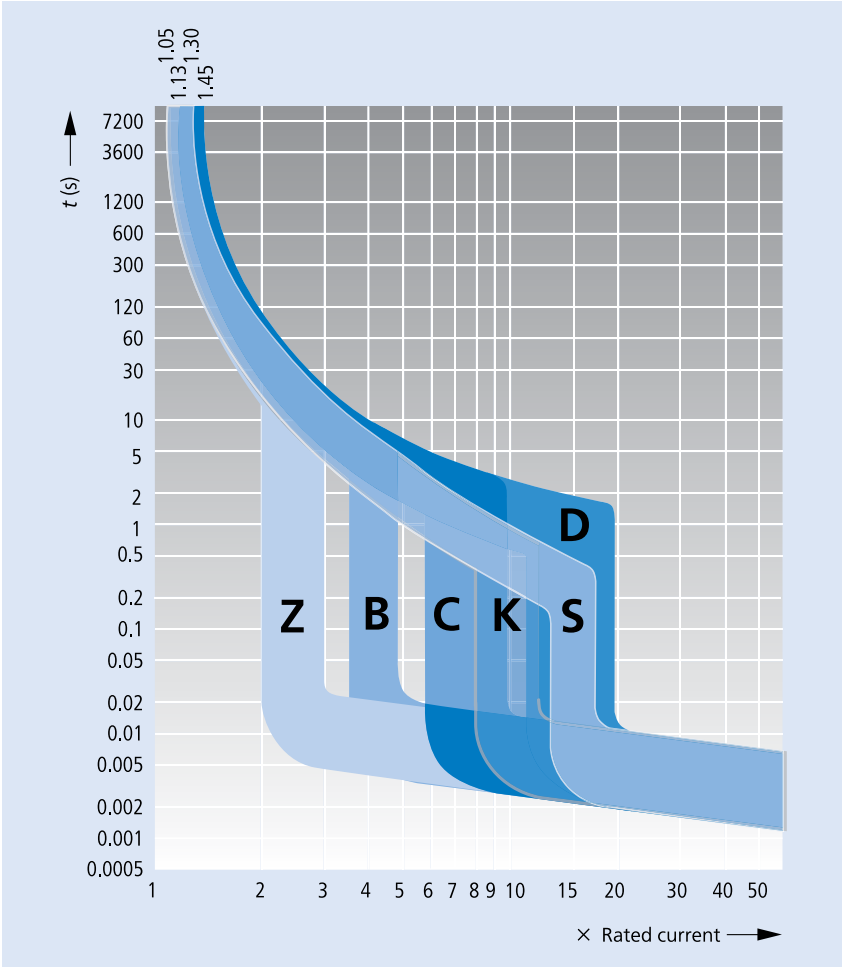
Lightning and surge protection

Harmful overvoltage events can be caused by direct or indirect lightning strikes, yet also by switching actions in your installation or by the utility. The application of SPDs is very versatile and ranges from protecting residential homes to industrial buildings. Therefore, Eaton offers a broad and complete range of surge protection devices in accordance with IEC/EN 61643-11 or IEC/EN 61643-31 to fulfill all your protection needs on the AC and DC side of your installation.

A comprehensive product range

Our extensive portfolio also includes Schuko sockets for industrial installations, ammeters and voltmeters, energy and hour meters for DIN-rail mounting, main switches, on/off switches, control switches, pushbuttons (with and without indicator lights), indicator lights, analog and digital timers, staircase timers, twilight switches, buzzers and bells.
We thus offer a comprehensive product range for your entire electrical installation from a single source.





Tripping characteristics of xEffect FAZ industrial miniature circuit breakers

In addition to line protection, the versatile, customizable tripping characteristics provide individual device and control-circuit protection. The high rated breaking capacity of 10 to 25 kA and the excellent current-limiting and selectivity characteristics ensure maximum system protection and availability.
Devices with B characteristic are used for the protection of lighting and socket circuits.
Devices with C characteristic are used wherever current peaks and other overcurrents may occur during operation that should not cause tripping.
The D characteristic is the right solution for large transformers, motors with heavy starting duties or large groups of luminaires.
All devices are available as single- and multi-pole versions up to a rated current of 63 A, irrespective of the characteristic.

Improved line protection with high operational continuity

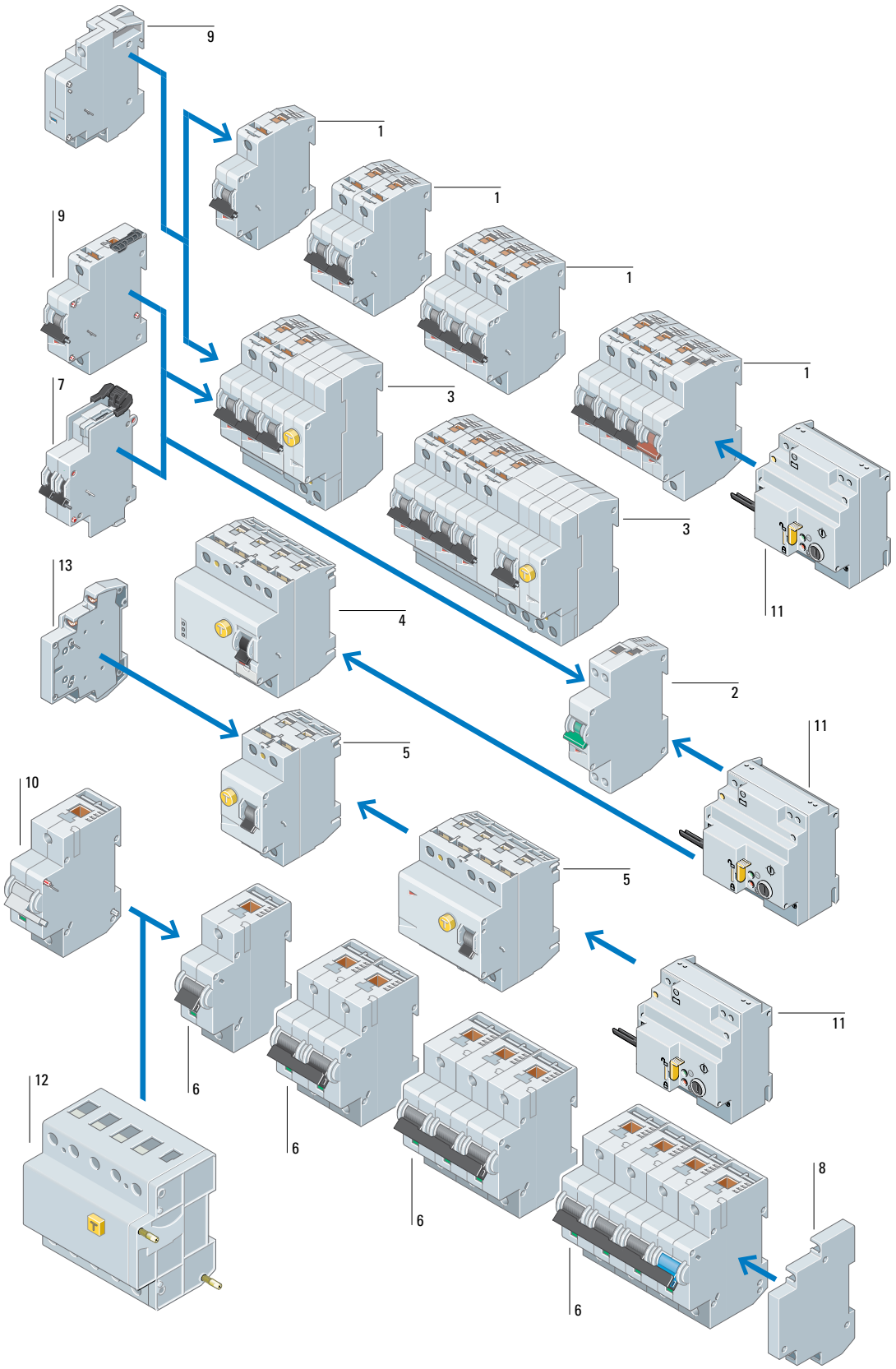
In the event of short circuits, devices with K characteristic will trip at eight to 12 times the rated current and are thus used wherever current peaks and other overcurrents may occur during operation that should not cause tripping. These devices are therefore in the upper range of the C characteristic and in the lower range of the D characteristic. This enables motors, capacitors, welding transformers and electronically controlled ballasts to be optimally connected. Our K characteristic devices ensure improved line protection thanks to the narrower range of the bimetallic strip in the overload release.

Control-circuit safety

Circuit breakers with S characteristic are designed for the protection of control circuits with high inrush currents. The short-circuit current threshold of 13 to 17 x I_n is within a narrowed range of the D characteristic and thus higher than the inrush current of a typical control transformer in order to prevent nuisance tripping. Devices with S characteristic are tested according to IEC/EN 60947-2. As per this standard, these control circuit breakers only allow an overload of 5 to 30 %.

Rapid-response protection of electronic components

Even small overcurrents can destroy electronic components and devices. The xEffect FAZ industrial miniature circuit breakers with Z characteristic will trip instantaneously at two to three times the overcurrent threshold. Thanks to this characteristic, the circuit breakers are also suitable for protecting lines with high impedance.



1	FAZ miniature circuit breaker	7	FAZ auxiliary contact or SWD connection module
1	FAZT miniature circuit breaker	8	AZ auxiliary contact
2	FAZ-PN miniature circuit breaker	9	FAZ voltage release
3	FBSmV residual-current protective modules (for mounting on FAZ)	10	AZ voltage release
4	FRBmM combination switch	11	Remote switching module
5	FRCmM residual-current circuit breaker	12	FBHmV residual-current protective modules (for mounting on FAZ)
6	AZ miniature circuit breaker	13	Residual-current auxiliary contact module or SWD connection module

Rated current I_n A	Switching capacity IEC 60947-2 kA	1-pole Part no.	1-pole Article no.	1-pole+N Part no.	1-pole+N Article no.	2-pole Part no.	2-pole Article no.	3-pole Part no.	3-pole Article no.
FAZ miniature circuit breakers (Circuit breakers with 3+N and 4 poles available on request)									
Characteristic: B Instantaneous release response current: 3 - 5 x I_n									
1	15	FAZ-B1/1	278520	FAZ-B1/1N	278633	FAZ-B1/2	278719	FAZ-B1/3	278832
1.5	15	FAZ-B1,5/1	278521	FAZ-B1,5/1N	278634	FAZ-B1,5/2	278720	FAZ-B1,5/3	278833
1.6	15	FAZ-B1,6/1	278522	FAZ-B1,6/1N	278635	FAZ-B1,6/2	278721	FAZ-B1,6/3	278834
2	15	FAZ-B2/1	278523	FAZ-B2/1N	278636	FAZ-B2/2	278722	FAZ-B2/3	278835
2.5	15	FAZ-B2,5/1	278524	FAZ-B2,5/1N	278637	FAZ-B2,5/2	278723	FAZ-B2,5/3	278836
3	15	FAZ-B3/1	278525	FAZ-B3/1N	278638	FAZ-B3/2	278724	FAZ-B3/3	278837
3.5	15	FAZ-B3,5/1	278526	FAZ-B3,5/1N	278639	FAZ-B3,5/2	278725	FAZ-B3,5/3	278838
4	15	FAZ-B4/1	278527	FAZ-B4/1N	278640	FAZ-B4/2	278726	FAZ-B4/3	278839
5	15	FAZ-B5/1	278528	FAZ-B5/1N	278641	FAZ-B5/2	278727	FAZ-B5/3	278840
6	15	FAZ-B6/1	278529	FAZ-B6/1N	278642	FAZ-B6/2	278728	FAZ-B6/3	278841
8	15	FAZ-B8/1	278530	FAZ-B8/1N	278643	FAZ-B8/2	278729	FAZ-B8/3	278842
10	15	FAZ-B10/1	278531	FAZ-B10/1N	278644	FAZ-B10/2	278730	FAZ-B10/3	278843
12	15	FAZ-B12/1	278532	FAZ-B12/1N	278645	FAZ-B12/2	278731	FAZ-B12/3	278844
13	15	FAZ-B13/1	278533	FAZ-B13/1N	278646	FAZ-B13/2	278732	FAZ-B13/3	278845
15	15	FAZ-B15/1	278534	FAZ-B15/1N	278647	FAZ-B15/2	278733	FAZ-B15/3	278846
16	15	FAZ-B16/1	278535	FAZ-B16/1N	278648	FAZ-B16/2	278734	FAZ-B16/3	278847
20	15	FAZ-B20/1	278536	FAZ-B20/1N	278649	FAZ-B20/2	278735	FAZ-B20/3	278848
25	15	FAZ-B25/1	278537	FAZ-B25/1N	278650	FAZ-B25/2	278736	FAZ-B25/3	278849
32	15	FAZ-B32/1	278538	FAZ-B32/1N	278651	FAZ-B32/2	278737	FAZ-B32/3	278850
40	15	FAZ-B40/1	278539	FAZ-B40/1N	278652	FAZ-B40/2	278738	FAZ-B40/3	278851
50	15	FAZ-B50/1	278540	FAZ-B50/1N	278653	FAZ-B50/2	278739	FAZ-B50/3	278852
63	15	FAZ-B63/1	278541	FAZ-B63/1N	278654	FAZ-B63/2	278740	FAZ-B63/3	278853
Characteristic: C Instantaneous release response current: 5 - 10 x I_n									
0.16	15	FAZ-C0,16/1	278542	FAZ-C0,16/1N	278655	FAZ-C0,16/2	278741	FAZ-C0,16/3	278854
0.25	15	FAZ-C0,25/1	278543	FAZ-C0,25/1N	278656	FAZ-C0,25/2	278742	FAZ-C0,25/3	278855
0.5	15	FAZ-C0,5/1	278544	FAZ-C0,5/1N	278657	FAZ-C0,5/2	278743	FAZ-C0,5/3	278856
0.75	15	FAZ-C0,75/1	278545	FAZ-C0,75/1N	278658	FAZ-C0,75/2	278744	FAZ-C0,75/3	278857
1	15	FAZ-C1/1	278546	FAZ-C1/1N	278659	FAZ-C1/2	278745	FAZ-C1/3	278858
1.5	15	FAZ-C1,5/1	278547	FAZ-C1,5/1N	278660	FAZ-C1,5/2	278746	FAZ-C1,5/3	278859
1.6	15	FAZ-C1,6/1	278548	FAZ-C1,6/1N	278661	FAZ-C1,6/2	278747	FAZ-C1,6/3	278860
2	15	FAZ-C2/1	278549	FAZ-C2/1N	278662	FAZ-C2/2	278748	FAZ-C2/3	278861
2.5	15	FAZ-C2,5/1	278550	FAZ-C2,5/1N	278663	FAZ-C2,5/2	278749	FAZ-C2,5/3	278862
3	15	FAZ-C3/1	278551	FAZ-C3/1N	278664	FAZ-C3/2	278750	FAZ-C3/3	278863
3.5	15	FAZ-C3,5/1	278552	FAZ-C3,5/1N	278665	FAZ-C3,5/2	278751	FAZ-C3,5/3	278864
4	15	FAZ-C4/1	278553	FAZ-C4/1N	278666	FAZ-C4/2	278752	FAZ-C4/3	278865
5	15	FAZ-C5/1	278554	FAZ-C5/1N	278667	FAZ-C5/2	278753	FAZ-C5/3	278866
6	15	FAZ-C6/1	278555	FAZ-C6/1N	278668	FAZ-C6/2	278754	FAZ-C6/3	278867
8	15	FAZ-C8/1	278556	FAZ-C8/1N	278669	FAZ-C8/2	278755	FAZ-C8/3	278868
10	15	FAZ-C10/1	278557	FAZ-C10/1N	278670	FAZ-C10/2	278756	FAZ-C10/3	278869
12	15	FAZ-C12/1	278558	FAZ-C12/1N	278671	FAZ-C12/2	278757	FAZ-C12/3	278870
13	15	FAZ-C13/1	278559	FAZ-C13/1N	278672	FAZ-C13/2	278758	FAZ-C13/3	278871
15	15	FAZ-C15/1	278560	FAZ-C15/1N	278673	FAZ-C15/2	278759	FAZ-C15/3	278872
16	15	FAZ-C16/1	278561	FAZ-C16/1N	278674	FAZ-C16/2	278760	FAZ-C16/3	278873
20	15	FAZ-C20/1	278562	FAZ-C20/1N	278675	FAZ-C20/2	278761	FAZ-C20/3	278874
25	15	FAZ-C25/1	278563	FAZ-C25/1N	278676	FAZ-C25/2	278762	FAZ-C25/3	278875
32	15	FAZ-C32/1	278564	FAZ-C32/1N	278677	FAZ-C32/2	278763	FAZ-C32/3	278876
40	15	FAZ-C40/1	278565	FAZ-C40/1N	278678	FAZ-C40/2	278764	FAZ-C40/3	278877
50	15	FAZ-C50/1	278566	FAZ-C50/1N	278679	FAZ-C50/2	278765	FAZ-C50/3	278878
63	15	FAZ-C63/1	278567	FAZ-C63/1N	278680	FAZ-C63/2	278766	FAZ-C63/3	278879

Rated current	Switching capacity IEC 60947-2	1-pole		1-pole+N		2-pole		3-pole	
I_n		**Part no.**	Article no.	**Part no.**	Article no.	**Part no.**	Article no.	**Part no.**	Article no.
A	kA								
FAZ miniature circuit breakers									
(Circuit breakers with 3+N and 4 poles available on request)									
Characteristic: D Instantaneous release response current: 10 - 20 x I_n									
0.5	15	**FAZ-D0,5/1**	278568	**FAZ-D0,5/1N**	278681	**FAZ-D0,5/2**	278767	**FAZ-D0,5/3**	278880
1	15	**FAZ-D1/1**	278569	**FAZ-D1/1N**	278682	**FAZ-D1/2**	278768	**FAZ-D1/3**	278881
1.5	15	**FAZ-D1,5/1**	278570	**FAZ-D1,5/1N**	278683	**FAZ-D1,5/2**	278769	**FAZ-D1,5/3**	278882
1.6	15	**FAZ-D1,6/1**	278571	**FAZ-D1,6/1N**	278684	**FAZ-D1,6/2**	278770	**FAZ-D1,6/3**	278883
2	15	**FAZ-D2/1**	278572	**FAZ-D2/1N**	278685	**FAZ-D2/2**	278771	**FAZ-D2/3**	278884
2.5	15	**FAZ-D2,5/1**	278573	**FAZ-D2,5/1N**	278686	**FAZ-D2,5/2**	278772	**FAZ-D2,5/3**	278885
3	15	**FAZ-D3/1**	278574	**FAZ-D3/1N**	278687	**FAZ-D3/2**	278773	**FAZ-D3/3**	278886
3.5	15	**FAZ-D3,5/1**	278575	**FAZ-D3,5/1N**	278688	**FAZ-D3,5/2**	278774	**FAZ-D3,5/3**	278887
4	15	**FAZ-D4/1**	278576	**FAZ-D4/1N**	278689	**FAZ-D4/2**	278775	**FAZ-D4/3**	278888
5	15	**FAZ-D5/1**	278577	**FAZ-D5/1N**	278690	**FAZ-D5/2**	278776	**FAZ-D5/3**	278889
6	15	**FAZ-D6/1**	278578	**FAZ-D6/1N**	278691	**FAZ-D6/2**	278777	**FAZ-D6/3**	278890
8	15	**FAZ-D8/1**	278579	**FAZ-D8/1N**	278692	**FAZ-D8/2**	278778	**FAZ-D8/3**	278891
10	15	**FAZ-D10/1**	278580	**FAZ-D10/1N**	278693	**FAZ-D10/2**	278779	**FAZ-D10/3**	278892
12	15	**FAZ-D12/1**	278581	**FAZ-D12/1N**	278694	**FAZ-D12/2**	278780	**FAZ-D12/3**	278893
13	15	**FAZ-D13/1**	278582	**FAZ-D13/1N**	278695	**FAZ-D13/2**	278781	**FAZ-D13/3**	278894
15	15	**FAZ-D15/1**	278583	**FAZ-D15/1N**	278696	**FAZ-D15/2**	278782	**FAZ-D15/3**	278895
16	15	**FAZ-D16/1**	278584	**FAZ-D16/1N**	278697	**FAZ-D16/2**	278783	**FAZ-D16/3**	278896
20	15	**FAZ-D20/1**	278585	**FAZ-D20/1N**	278698	**FAZ-D20/2**	278784	**FAZ-D20/3**	278897
25	15	**FAZ-D25/1**	278586	**FAZ-D25/1N**	278699	**FAZ-D25/2**	278785	**FAZ-D25/3**	278898
32	15	**FAZ-D32/1**	278587	**FAZ-D32/1N**	278700	**FAZ-D32/2**	278786	**FAZ-D32/3**	278899
40	15	**FAZ-D40/1**	278588	**FAZ-D40/1N**	278701	**FAZ-D40/2**	278787	**FAZ-D40/3**	278900
50	10	**FAZ-D50/1**	115370	**FAZ-D50/1N**	115378	**FAZ-D50/2**	115372	**FAZ-D50/3**	115374
63	10	**FAZ-D63/1**	115371	**FAZ-D63/1N**	115379	**FAZ-D63/2**	115373	**FAZ-D63/3**	115375
Characteristic: K Instantaneous release response current: 8 - 12 x I_n									
0.5	10	**FAZ-K0,5/1**	278589	**FAZ-K0,5/1N**	278702	**FAZ-K0,5/2**	278788	**FAZ-K0,5/3**	278901
1	10	**FAZ-K1/1**	278590	**FAZ-K1/1N**	278703	**FAZ-K1/2**	278789	**FAZ-K1/3**	278902
1.6	10	**FAZ-K1,6/1**	278591	**FAZ-K1,6/1N**	278704	**FAZ-K1,6/2**	278790	**FAZ-K1,6/3**	278903
2	10	**FAZ-K2/1**	278592	**FAZ-K2/1N**	278705	**FAZ-K2/2**	278791	**FAZ-K2/3**	278904
3	10	**FAZ-K3/1**	278593	**FAZ-K3/1N**	278706	**FAZ-K3/2**	278792	**FAZ-K3/3**	278905
4	10	**FAZ-K4/1**	278594	**FAZ-K4/1N**	278707	**FAZ-K4/2**	278793	**FAZ-K4/3**	278906
6	10	**FAZ-K6/1**	278595	**FAZ-K6/1N**	278708	**FAZ-K6/2**	278794	**FAZ-K6/3**	278907
8	10	**FAZ-K8/1**	278596	**FAZ-K8/1N**	278709	**FAZ-K8/2**	278795	**FAZ-K8/3**	278908
10	10	**FAZ-K10/1**	278597	**FAZ-K10/1N**	278710	**FAZ-K10/2**	278796	**FAZ-K10/3**	278909
13	10	**FAZ-K13/1**	278598	**FAZ-K13/1N**	278711	**FAZ-K13/2**	278797	**FAZ-K13/3**	278910
16	10	**FAZ-K16/1**	278599	**FAZ-K16/1N**	278712	**FAZ-K16/2**	278798	**FAZ-K16/3**	278911
20	10	**FAZ-K20/1**	278600	**FAZ-K20/1N**	278713	**FAZ-K20/2**	278799	**FAZ-K20/3**	278912
25	10	**FAZ-K25/1**	278601	**FAZ-K25/1N**	278714	**FAZ-K25/2**	278800	**FAZ-K25/3**	278913
32	10	**FAZ-K32/1**	278602	**FAZ-K32/1N**	278715	**FAZ-K32/2**	278801	**FAZ-K32/3**	278914
40	10	**FAZ-K40/1**	278603	**FAZ-K40/1N**	278716	**FAZ-K40/2**	278802	**FAZ-K40/3**	278915
50	10	**FAZ-K50/1**	278604	**FAZ-K50/1N**	278717	**FAZ-K50/2**	278803	**FAZ-K50/3**	278916
63	10	**FAZ-K63/1**	278605	**FAZ-K63/1N**	278718	**FAZ-K63/2**	278804	**FAZ-K63/3**	278917

Rated current	Switching capacity IEC 60947-2	1-pole		2-pole		3-pole	
I_n		Part no.	Article no.	Part no.	Article no.	Part no.	Article no.
A	kA						
FAZ miniature circuit breakers							
Characteristic: S Instantaneous release response current: 13 - 17 x I_n							
1	10	**FAZ-S1/1**	278606	**FAZ-S1/2**	278805	-	-
2	10	**FAZ-S2/1**	278607	**FAZ-S2/2**	278806	-	-
3	10	**FAZ-S3/1**	278608	**FAZ-S3/2**	278807	-	-
4	10	**FAZ-S4/1**	278609	**FAZ-S4/2**	278808	-	-
6	10	**FAZ-S6/1**	278610	**FAZ-S6/2**	278809	-	-
10	10	**FAZ-S10/1**	278611	**FAZ-S10/2**	278810	-	-
16	10	**FAZ-S16/1**	278612	**FAZ-S16/2**	278811	-	-
20	10	**FAZ-S20/1**	278613	**FAZ-S20/2**	278812	-	-
25	10	**FAZ-S25/1**	278614	**FAZ-S25/2**	278813	-	-
32	10	**FAZ-S32/1**	278615	**FAZ-S32/2**	278814	-	-
40	10	**FAZ-S40/1**	278616	**FAZ-S40/2**	278815	-	-
Characteristic: Z Instantaneous release response current: 2 - 3 x I_n							
0.5	10	**FAZ-Z0,5/1**	278617	**FAZ-Z0,5/2**	278816	**FAZ-Z0,5/3**	278918
1	10	**FAZ-Z1/1**	278618	**FAZ-Z1/2**	278817	**FAZ-Z1/3**	278919
1.6	10	**FAZ-Z1,6/1**	278619	**FAZ-Z1,6/2**	278818	**FAZ-Z1,6/3**	278920
2	10	**FAZ-Z2/1**	278620	**FAZ-Z2/2**	278819	**FAZ-Z2/3**	278921
3	10	**FAZ-Z3/1**	278621	**FAZ-Z3/2**	278820	**FAZ-Z3/3**	278922
4	10	**FAZ-Z4/1**	278622	**FAZ-Z4/2**	278821	**FAZ-Z4/3**	278923
6	10	**FAZ-Z6/1**	278623	**FAZ-Z6/2**	278822	**FAZ-Z6/3**	278924
8	10	**FAZ-Z8/1**	278624	**FAZ-Z8/2**	278823	**FAZ-Z8/3**	278925
10	10	**FAZ-Z10/1**	278625	**FAZ-Z10/2**	278824	**FAZ-Z10/3**	278926
16	10	**FAZ-Z16/1**	278626	**FAZ-Z16/2**	278825	**FAZ-Z16/3**	278927
20	10	**FAZ-Z20/1**	278627	**FAZ-Z20/2**	278826	**FAZ-Z20/3**	278928
25	10	**FAZ-Z25/1**	278628	**FAZ-Z25/2**	278827	**FAZ-Z25/3**	278929
32	10	**FAZ-Z32/1**	278629	**FAZ-Z32/2**	278828	**FAZ-Z32/3**	278930
40	10	**FAZ-Z40/1**	278630	**FAZ-Z40/2**	278829	**FAZ-Z40/3**	278931
50	10	**FAZ-Z50/1**	278631	**FAZ-Z50/2**	278830	**FAZ-Z50/3**	278932
63	10	**FAZ-Z63/1**	278632	**FAZ-Z63/2**	278831	**FAZ-Z63/3**	278933
FAZ miniature circuit breakers for DC applications [1]							
Characteristic: C Instantaneous release response current: 5 - 10 x I_n							
2	10	**FAZ-C2/1-DC**	279122	**FAZ-C2/2-DC**	279134	-	-
3	10	**FAZ-C3/1-DC**	279123	**FAZ-C3/2-DC**	279135	-	-
4	10	**FAZ-C4/1-DC**	279124	**FAZ-C4/2-DC**	279136	-	-
6	10	**FAZ-C6/1-DC**	279125	**FAZ-C6/2-DC**	279137	-	-
10	10	**FAZ-C10/1-DC**	279126	**FAZ-C10/2-DC**	279138	-	-
13	10	**FAZ-C13/1-DC**	279127	**FAZ-C13/2-DC**	279139	-	-
16	10	**FAZ-C16/1-DC**	279128	**FAZ-C16/2-DC**	279140	-	-
20	10	**FAZ-C20/1-DC**	279129	**FAZ-C20/2-DC**	279141	-	-
25	10	**FAZ-C25/1-DC**	279130	**FAZ-C25/2-DC**	279142	-	-
32	10	**FAZ-C32/1-DC**	279131	**FAZ-C32/2-DC**	279143	-	-
40	10	**FAZ-C40/1-DC**	279132	**FAZ-C40/2-DC**	279144	-	-
50	10	**FAZ-C50/1-DC**	279133	**FAZ-C50/2-DC**	279145	-	-

Note: [1] FAZ miniature circuit breakers for DC applications are also available with B characteristic on request.

Rated current	Switching capacity IEC 60947-2	1-pole		1-pole+N		2-pole		3-pole	
		Part no.	Article no.	Part no.	Article no.	Part no.	Article no.	Part no.	Article no.
I_n									
A	kA								
FAZT miniature circuit breakers									
(Circuit breakers with 3+N and 4 poles available on request)									
Characteristic: B Instantaneous release response current: 3-5 x I_n									
1	25	**FAZT-B1/1**	240770	**FAZT-B1/1N**	240994	**FAZT-B1/2**	240820	**FAZT-B1/3**	240874
2	25	**FAZT-B2/1**	240771	**FAZT-B2/1N**	240995	**FAZT-B2/2**	240821	**FAZT-B2/3**	240875
3	25	**FAZT-B3/1**	240772	**FAZT-B3/1N**	240996	**FAZT-B3/2**	240822	**FAZT-B3/3**	240876
4	25	**FAZT-B4/1**	240777	**FAZT-B4/1N**	240997	**FAZT-B4/2**	240823	**FAZT-B4/3**	240877
6	25	**FAZT-B6/1**	240782	**FAZT-B6/1N**	240998	**FAZT-B6/2**	240824	**FAZT-B6/3**	240878
10	25	**FAZT-B10/1**	240787	**FAZT-B10/1N**	240999	**FAZT-B10/2**	240825	**FAZT-B10/3**	240879
12	25	**FAZT-B12/1**	240792	**FAZT-B12/1N**	241000	**FAZT-B12/2**	240826	**FAZT-B12/3**	240880
13	25	**FAZT-B13/1**	240793	**FAZT-B13/1N**	241001	**FAZT-B13/2**	240827	**FAZT-B13/3**	240881
15	25	**FAZT-B15/1**	240794	**FAZT-B15/1N**	241005	**FAZT-B15/2**	240828	**FAZT-B15/3**	240882
16	25	**FAZT-B16/1**	240795	**FAZT-B16/1N**	241009	**FAZT-B16/2**	240829	**FAZT-B16/3**	240883
20	25	**FAZT-B20/1**	240796	**FAZT-B20/1N**	241015	**FAZT-B20/2**	240830	**FAZT-B20/3**	240884
25	25	**FAZT-B25/1**	240797	**FAZT-B25/1N**	241019	**FAZT-B25/2**	240831	**FAZT-B25/3**	240885
32	20	**FAZT-B32/1**	141907	**FAZT-B32/1N**	142509	**FAZT-B32/2**	142485	**FAZT-B32/3**	142493
40	20	**FAZT-B40/1**	141908	**FAZT-B40/1N**	142510	**FAZT-B40/2**	142486	**FAZT-B40/3**	142494
Characteristic: C Instantaneous release response current: 5-10 x I_n									
1	25	**FAZT-C1/1**	240798	**FAZT-C1/1N**	241022	**FAZT-C1/2**	240832	**FAZT-C1/3**	240886
2	25	**FAZT-C2/1**	240799	**FAZT-C2/1N**	241023	**FAZT-C2/2**	240833	**FAZT-C2/3**	240887
3	25	**FAZT-C3/1**	240800	**FAZT-C3/1N**	241024	**FAZT-C3/2**	240838	**FAZT-C3/3**	240888
4	25	**FAZT-C4/1**	240801	**FAZT-C4/1N**	241025	**FAZT-C4/2**	240843	**FAZT-C4/3**	240889
6	25	**FAZT-C6/1**	240802	**FAZT-C6/1N**	241026	**FAZT-C6/2**	240850	**FAZT-C6/3**	240890
10	25	**FAZT-C10/1**	240803	**FAZT-C10/1N**	241027	**FAZT-C10/2**	240855	**FAZT-C10/3**	240891
12	25	**FAZT-C12/1**	240804	**FAZT-C12/1N**	241028	**FAZT-C12/2**	240858	**FAZT-C12/3**	240892
13	25	**FAZT-C13/1**	240805	**FAZT-C13/1N**	241029	**FAZT-C13/2**	240859	**FAZT-C13/3**	240893
15	25	**FAZT-C15/1**	240806	**FAZT-C15/1N**	241030	**FAZT-C15/2**	240860	**FAZT-C15/3**	240894
16	25	**FAZT-C16/1**	240807	**FAZT-C16/1N**	241034	**FAZT-C16/2**	240861	**FAZT-C16/3**	240895
20	25	**FAZT-C20/1**	240808	**FAZT-C20/1N**	241038	**FAZT-C20/2**	240862	**FAZT-C20/3**	240896
25	25	**FAZT-C25/1**	240809	**FAZT-C25/1N**	241044	**FAZT-C25/2**	240863	**FAZT-C25/3**	240897
32	20	**FAZT-C32/1**	141909	**FAZT-C32/1N**	142511	**FAZT-C32/2**	142487	**FAZT-C32/3**	142495
40	20	**FAZT-C40/1**	142480	**FAZT-C40/1N**	142512	**FAZT-C40/2**	142488	**FAZT-C40/3**	142496
Characteristic: D Instantaneous release response current: 10-20 x I_n									
1	25	**FAZT-D1/1**	240810	**FAZT-D1/1N**	241048	**FAZT-D1/2**	240864	**FAZT-D1/3**	240898
2	25	**FAZT-D2/1**	240811	**FAZT-D2/1N**	241051	**FAZT-D2/2**	240865	**FAZT-D2/3**	240899
3	25	**FAZT-D3/1**	240812	**FAZT-D3/1N**	241052	**FAZT-D3/2**	240866	**FAZT-D3/3**	240900
4	25	**FAZT-D4/1**	240813	**FAZT-D4/1N**	241053	**FAZT-D4/2**	240867	**FAZT-D4/3**	240901
6	25	**FAZT-D6/1**	240814	**FAZT-D6/1N**	241054	**FAZT-D6/2**	240868	**FAZT-D6/3**	240902
10	25	**FAZT-D10/1**	240815	**FAZT-D10/1N**	241055	**FAZT-D10/2**	240869	**FAZT-D10/3**	240903
12	25	**FAZT-D12/1**	240816	**FAZT-D12/1N**	241056	**FAZT-D12/2**	240870	**FAZT-D12/3**	240904
13	25	**FAZT-D13/1**	240817	**FAZT-D13/1N**	241057	**FAZT-D13/2**	240871	**FAZT-D13/3**	240905
15	20	**FAZT-D15/1**	240818	**FAZT-D15/1N**	241058	**FAZT-D15/2**	240872	**FAZT-D15/3**	240910
16	20	**FAZT-D16/1**	240819	**FAZT-D16/1N**	241059	**FAZT-D16/2**	240873	**FAZT-D16/3**	240915
20	20	**FAZT-D20/1**	142481	**FAZT-D20/1N**	142513	**FAZT-D20/2**	142489	**FAZT-D20/3**	142497
25	15	**FAZT-D25/1**	142482	**FAZT-D25/1N**	142514	**FAZT-D25/2**	142490	**FAZT-D25/3**	142498
32	15	**FAZT-D32/1**	142483	**FAZT-D32/1N**	142515	**FAZT-D32/2**	142491	**FAZT-D32/3**	142499
40	15	**FAZT-D40/1**	142484	**FAZT-D40/1N**	142516	**FAZT-D40/2**	142492	**FAZT-D40/3**	142500

Rated current	Switching capacity (UL489)	1-pole		2-pole		3-pole	
		Part no.	Article no.	**Part no.**	Article no.	**Part no.**	Article no.
I_n							
A	kA						
FAZ circuit breakers for use in North America							
Characteristic: B Instantaneous release response current: 3-5 x I_n							
1	10	**FAZ-B1/1-NA**	132414	**FAZ-B1/2-NA**	132693	**FAZ-B1/3-NA**	132712
1.5	10	**FAZ-B1,5/1-NA**	132415	**FAZ-B1,5/2-NA**	132694	**FAZ-B1,5/3-NA**	132713
2	10	**FAZ-B2/1-NA**	132416	**FAZ-B2/2-NA**	132695	**FAZ-B2/3-NA**	132714
3	10	**FAZ-B3/1-NA**	132417	**FAZ-B3/2-NA**	132696	**FAZ-B3/3-NA**	132715
4	10	**FAZ-B4/1-NA**	132418	**FAZ-B4/2-NA**	132697	**FAZ-B4/3-NA**	132716
5	10	**FAZ-B5/1-NA**	132419	**FAZ-B5/2-NA**	132698	**FAZ-B5/3-NA**	132717
6	10	**FAZ-B6/1-NA**	132680	**FAZ-B6/2-NA**	132699	**FAZ-B6/3-NA**	132718
7	10	**FAZ-B7/1-NA**	132681	**FAZ-B7/2-NA**	132700	**FAZ-B7/3-NA**	132719
8	10	**FAZ-B8/1-NA**	132682	**FAZ-B8/2-NA**	132701	**FAZ-B8/3-NA**	132720
10	10	**FAZ-B10/1-NA**	132683	**FAZ-B10/2-NA**	132702	**FAZ-B10/3-NA**	132721
13	10	**FAZ-B13/1-NA**	132684	**FAZ-B13/2-NA**	132703	**FAZ-B13/3-NA**	132722
15	14	**FAZ-B15/1-NA**	132685	**FAZ-B15/2-NA**	132704	**FAZ-B15/3-NA**	132723
16	14	**FAZ-B16/1-NA**	132686	**FAZ-B16/2-NA**	132705	**FAZ-B16/3-NA**	132724
20	14	**FAZ-B20/1-NA**	132687	**FAZ-B20/2-NA**	132706	**FAZ-B20/3-NA**	132725
25	14	**FAZ-B25/1-NA**	132688	**FAZ-B25/2-NA**	132707	**FAZ-B25/3-NA**	132726
30	10	**FAZ-B30/1-NA**	132689	**FAZ-B30/2-NA**	132708	**FAZ-B30/3-NA**	132727
32	10	**FAZ-B32/1-NA**	132690	**FAZ-B32/2-NA**	132709	**FAZ-B32/3-NA**	132728
35	10	**FAZ-B35/1-NA**	132691	**FAZ-B35/2-NA**	132710	**FAZ-B35/3-NA**	132729
40	10	**FAZ-B40/1-NA**	132692	**FAZ-B40/2-NA**	132711	**FAZ-B40/3-NA**	132730
Characteristic: C Instantaneous release response current: 5-10 x I_n							
0.5	10	**FAZ-C0,5/1-NA**	102077	**FAZ-C0,5/2-NA**	102157	**FAZ-C0,5/3-NA**	102237
1	10	**FAZ-C1/1-NA**	102078	**FAZ-C1/2-NA**	102158	**FAZ-C1/3-NA**	102238
1.5	10	**FAZ-C1,5/1-NA**	102079	**FAZ-C1,5/2-NA**	102159	**FAZ-C1,5/3-NA**	102239
2	10	**FAZ-C2/1-NA**	102080	**FAZ-C2/2-NA**	102160	**FAZ-C2/3-NA**	102240
3	10	**FAZ-C3/1-NA**	102081	**FAZ-C3/2-NA**	102161	**FAZ-C3/3-NA**	102241
4	10	**FAZ-C4/1-NA**	102082	**FAZ-C4/2-NA**	102162	**FAZ-C4/3-NA**	102242
5	10	**FAZ-C5/1-NA**	102083	**FAZ-C5/2-NA**	102163	**FAZ-C5/3-NA**	102243
6	10	**FAZ-C6/1-NA**	102084	**FAZ-C6/2-NA**	102164	**FAZ-C6/3-NA**	102244
7	10	**FAZ-C7/1-NA**	102085	**FAZ-C7/2-NA**	102165	**FAZ-C7/3-NA**	102245
8	10	**FAZ-C8/1-NA**	102086	**FAZ-C8/2-NA**	102166	**FAZ-C8/3-NA**	102246
10	10	**FAZ-C10/1-NA**	102087	**FAZ-C10/2-NA**	102167	**FAZ-C10/3-NA**	102247
13	10	**FAZ-C13/1-NA**	102088	**FAZ-C13/2-NA**	102168	**FAZ-C13/3-NA**	102248
15	14	**FAZ-C15/1-NA**	102089	**FAZ-C15/2-NA**	102169	**FAZ-C15/3-NA**	102249
16	14	**FAZ-C16/1-NA**	102090	**FAZ-C16/2-NA**	102170	**FAZ-C16/3-NA**	102250
20	14	**FAZ-C20/1-NA**	102091	**FAZ-C20/2-NA**	102171	**FAZ-C20/3-NA**	102251
25	14	**FAZ-C25/1-NA**	102092	**FAZ-C25/2-NA**	102172	**FAZ-C25/3-NA**	102252
30	10	**FAZ-C30/1-NA**	102093	**FAZ-C30/2-NA**	102173	**FAZ-C30/3-NA**	102253
32	10	**FAZ-C32/1-NA**	102094	**FAZ-C32/2-NA**	102174	**FAZ-C32/3-NA**	102254
35	10	**FAZ-C35/1-NA**	102095	**FAZ-C35/2-NA**	102175	**FAZ-C35/3-NA**	102255
40	10	**FAZ-C40/1-NA**	102096	**FAZ-C40/2-NA**	102176	**FAZ-C40/3-NA**	102256

Rated current	Switching capacity (UL489)	1-pole		2-pole		3-pole	
		Part no.	Article no.	**Part no.**	Article no.	**Part no.**	Article no.
I_n A	kA						
FAZ circuit breakers for use in North America							
Characteristic: D Instantaneous release response current: 10-20 x I_n							
0.5	10	**FAZ-D0,5/1-NA**	102097	**FAZ-D0,5/2-NA**	102177	**FAZ-D0,5/3-NA**	102257
1	10	**FAZ-D1/1-NA**	102098	**FAZ-D1/2-NA**	102178	**FAZ-D1/3-NA**	102258
1.5	10	**FAZ-D1,5/1-NA**	102099	**FAZ-D1,5/2-NA**	102179	**FAZ-D1,5/3-NA**	102259
2	10	**FAZ-D2/1-NA**	102100	**FAZ-D2/2-NA**	102180	**FAZ-D2/3-NA**	102260
3	10	**FAZ-D3/1-NA**	102101	**FAZ-D3/2-NA**	102181	**FAZ-D3/3-NA**	102261
4	10	**FAZ-D4/1-NA**	102102	**FAZ-D4/2-NA**	102182	**FAZ-D4/3-NA**	102262
5	10	**FAZ-D5/1-NA**	102103	**FAZ-D5/2-NA**	102183	**FAZ-D5/3-NA**	102263
6	10	**FAZ-D6/1-NA**	102104	**FAZ-D6/2-NA**	102184	**FAZ-D6/3-NA**	102264
7	10	**FAZ-D7/1-NA**	102105	**FAZ-D7/2-NA**	102185	**FAZ-D7/3-NA**	102265
8	10	**FAZ-D8/1-NA**	102106	**FAZ-D8/2-NA**	102186	**FAZ-D8/3-NA**	102266
10	10	**FAZ-D10/1-NA**	102107	**FAZ-D10/2-NA**	102187	**FAZ-D10/3-NA**	102267
13	10	**FAZ-D13/1-NA**	102108	**FAZ-D13/2-NA**	102188	**FAZ-D13/3-NA**	102268
15	14	**FAZ-D15/1-NA**	102109	**FAZ-D15/2-NA**	102189	**FAZ-D15/3-NA**	102269
16	14	**FAZ-D16/1-NA**	102110	**FAZ-D16/2-NA**	102190	**FAZ-D16/3-NA**	102270
20	14	**FAZ-D20/1-NA**	102111	**FAZ-D20/2-NA**	102191	**FAZ-D20/3-NA**	102271
25	14	**FAZ-D25/1-NA**	102112	**FAZ-D25/2-NA**	102192	**FAZ-D25/3-NA**	102272
30	10	**FAZ-D30/1-NA**	102113	**FAZ-D30/2-NA**	102193	**FAZ-D30/3-NA**	102273
32	10	**FAZ-D32/1-NA**	102114	**FAZ-D32/2-NA**	102194	**FAZ-D32/3-NA**	102274
35	10	**FAZ-D35/1-NA**	102115	**FAZ-D35/2-NA**	102195	**FAZ-D35/3-NA**	102275
40	10	**FAZ-D40/1-NA**	102116	**FAZ-D40/2-NA**	102196	**FAZ-D40/3-NA**	102276
Miniature circuit breakers for DC applications for use in North America							
Characteristic: C Instantaneous release response current: 5-10 x I_n							
2	10	**FAZ-C2/1-NA-DC**	113752	**FAZ-C2/2-NA-DC**	137239	-	-
3	10	**FAZ-C3/1-NA-DC**	113753	**FAZ-C3/2-NA-DC**	137250	-	-
4	10	**FAZ-C4/1-NA-DC**	113754	**FAZ-C4/2-NA-DC**	137251	-	-
5	10	**FAZ-C5/1-NA-DC**	113755	**FAZ-C5/2-NA-DC**	137252	-	-
6	10	**FAZ-C6/1-NA-DC**	113756	**FAZ-C6/2-NA-DC**	120638	-	-
7	10	**FAZ-C7/1-NA-DC**	113757	**FAZ-C7/2-NA-DC**	120639	-	-
8	10	**FAZ-C8/1-NA-DC**	113758	**FAZ-C8/2-NA-DC**	120640	-	-
10	10	**FAZ-C10/1-NA-DC**	113759	**FAZ-C10/2-NA-DC**	120641	-	-
13	10	**FAZ-C13/1-NA-DC**	113760	**FAZ-C13/2-NA-DC**	120642	-	-
15	10	**FAZ-C15/1-NA-DC**	113761	**FAZ-C15/2-NA-DC**	120643	-	-
16	10	**FAZ-C16/1-NA-DC**	113762	**FAZ-C16/2-NA-DC**	120644	-	-
20	10	**FAZ-C20/1-NA-DC**	113763	**FAZ-C20/2-NA-DC**	120645	-	-
25	10	**FAZ-C25/1-NA-DC**	113764	**FAZ-C25/2-NA-DC**	120646	-	-
30	10	**FAZ-C30/1-NA-DC**	113765	**FAZ-C30/2-NA-DC**	120647	-	-
32	10	**FAZ-C32/1-NA-DC**	113766	**FAZ-C32/2-NA-DC**	120648	-	-
35	10	**FAZ-C35/1-NA-DC**	113767	**FAZ-C35/2-NA-DC**	120649	-	-
40	10	**FAZ-C40/1-NA-DC**	113768	**FAZ-C40/2-NA-DC**	120650	-	-

Rated current I_n A	Rated fault current $I_{\Delta N}$ A	Part no.	Article no.	Part no.	Article no.	Part no.	Article no.
FRCdM digital residual-current circuit breakers (60 Hz products available on request)		**Type B, AC/DC all-current sensitive, 240/415 V**		**Type B+, AC/DC all-current sensitive, 240/415 V**		**Type Bfq, AC/DC sensitive - converter proof, 240/415 V**	
Type G, short-time delayed							
25	0.03	**FRCDM-25/4/003-G/B**	167892	**FRCDM-25/4/003-G/B+**	167880	**FRCDM-25/4/003-G/BFQ**	179530
40	0.03	**FRCDM-40/4/003-G/B**	167893	**FRCDM-40/4/003-G/B+**	167881	**FRCDM-40/4/003-G/BFQ**	179531
63	0.03	**FRCDM-63/4/003-G/B**	167894	**FRCDM-63/4/003-G/B+**	167882	**FRCDM-63/4/003-G/BFQ**	179532
25	0.3	**FRCDM-25/4/03-G/B**	167896	**FRCDM-25/4/03-G/B+**	167884	**FRCDM-25/4/03-G/BFQ**	167904
40	0.3	**FRCDM-40/4/03-G/B**	167897	**FRCDM-40/4/03-G/B+**	167885	**FRCDM-40/4/03-G/BFQ**	167905
63	0.3	**FRCDM-63/4/03-G/B**	167898	**FRCDM-63/4/03-G/B+**	167886	**FRCDM-63/4/03-G/BFQ**	167906
Type S, selective switch-off							
25	0.3	**FRCDM-25/4/03-S/B**	167900	**FRCDM-25/4/03-S/B+**	167888	**FRCDM-25/4/03-S/BFQ**	167908
40	0.3	**FRCDM-40/4/03-S/B**	167901	**FRCDM-40/4/03-S/B+**	167889	**FRCDM-40/4/03-S/BFQ**	167909
63	0.3	**FRCDM-63/4/03-S/B**	167902	**FRCDM-63/4/03-S/B+**	167890	**FRCDM-63/4/03-S/BFQ**	167910
FRCmM-125 residual-current circuit breakers							
125	0.03	**FRCMM-125/4/003-G/B**	171188	**FRCMM-125/4/003-G/B+**	171189	-	-
125	0.03	**FRCMM-125/4/003-B**	171184	-	-	-	-
125	0.1	**FRCMM-125/4/01-B**	171185	-	-	-	-
125	0.3	**FRCMM-125/4/03-B**	171186	-	-	**FRCMM-125/4/03-S/BFQ**	171190
125	0.5	**FRCMM-125/4/05-B**	171187	-	-	**FRCMM-125/4/05-S/BFQ**	171191
FRCdM digital residual-current circuit breakers		**Type U, pulse-current sensitive - converter proof, 240/415 V**		**Type R for X-ray applications, 240/415 V**		**Type A, pulse-current sensitive, 240/415 V**	
Type G, short-time delayed							
25	0.03	-	-	-	-	**FRCDM-25/4/003-G/A**	168646
40	0.03	**FRCDM-40/4/003-U**	168643	-	-	**FRCDM-40/4/003-G/A**	168648
63	0.03	**FRCDM-63/4/003-U**	168640	**FRCDM-63/4/003-R**	168636	**FRCDM-63/4/003-G/A**	168650
80	0.03	-	-	-	-	**FRCDM-80/4/003-G/A**	168634
25	0.3	-	-	-	-	**FRCDM-25/4/03-G/A**	168647
40	0.3	-	-	-	-	**FRCDM-40/4/03-G/A**	168649
63	0.3	-	-	-	-	**FRCDM-63/4/03-G/A**	168651
80	0.3	-	-	-	-	**FRCDM-80/4/03-G/A**	168635
Type S, selective switch-off							
40	0.3	**FRCDM-40/4/03-U**	168644	-	-	**FRCDM-40/4/03-S/A**	168637
63	0.3	**FRCDM-63/4/03-U**	168641	-	-	**FRCDM-63/4/03-S/A**	168638
80	0.3	**FRCDM-80/4/03-U**	168642	-	-	**FRCDM-80/4/03-S/A**	168639
FRCmM residual-current circuit breakers							
Type G, short-time delayed		Type F, pulse-current sensitive - 1-phase converter applications, 240/415 V		Type F, pulse-current sensitive - 1-phase converter applications, 240/415 V			
16	0.03	**FRCMM-16/2/003-G/F**	187365	**FRCMM-16/4/003-G/F**	187407	-	-
25	0.03	**FRCMM-25/2/003-G/F**	187366	**FRCMM-25/4/003-G/F**	187408	-	-
40	0.03	**FRCMM-40/2/003-G/F**	187367	**FRCMM-40/4/003-G/F**	187409	-	-
63	0.03	**FRCMM-63/2/003-G/F**	187368	**FRCMM-63/4/003-G/F**	187010	-	-
80	0.03	**FRCMM-80/2/003-G/F**	187369	**FRCMM-80/4/003-G/F**	187411	-	-
100	0.03	**FRCMM-100/2/003-G/F**	187370	**FRCMM-100/4/003-G/F**	187412	-	-
25	0.3	**FRCMM-25/2/03-G/F**	187378	**FRCMM-25/4/03-G/F**	187420	-	-
40	0.3	**FRCMM-40/2/03-G/F**	187379	**FRCMM-40/4/03-G/F**	187421	-	-
62	0.3	**FRCMM-63/2/03-G/F**	187380	**FRCMM-63/4/03-G/F**	187422	-	-
80	0.3	**FRCMM-80/2/03-G/F**	187381	**FRCMM-80/4/03-G/F**	187423	-	-
100	0.3	**FRCMM-100/2/03-G/F**	187382	**FRCMM-100/4/03-G/F**	187424	-	-
Type S, selective switch-off							
25	0.3	**FRCMM-25/2/03-S/F**	187396	**FRCMM-25/4/03-S/F**	187438	-	-
40	0.3	**FRCMM-40/2/03-S/F**	187397	**FRCMM-40/4/03-S/F**	187439	-	-
63	0.3	**FRCMM-63/2/03-S/F**	187398	**FRCMM-63/4/03-S/F**	187440	-	-
80	0.3	**FRCMM-80/2/03-S/F**	187399	**FRCMM-80/4/03-S/F**	187441	-	-
100	0.3	**FRCMM-100/2/03-S/F**	187400	**FRCMM-100/4/03-S/F**	187442	-	-

Rated current I_n A	Rated fault current $I_{\Delta N}$ A	2-pole 240/415 V Part no.	Article no.	4-pole 240/415 V Part no.	Article no.
FRCmM residual-current circuit breakers (Products for other voltage ranges available on request)					
Type A, pulse-current sensitive					
16	0.03	**FRCMM-16/2/003-A**	170430	**FRCMM-16/4/003-A**	170285
25	0.03	**FRCMM-25/2/003-A**	170431	**FRCMM-25/4/003-A**	170332
40	0.03	**FRCMM-40/2/003-A**	170432	**FRCMM-40/4/003-A**	170333
63	0.03	**FRCMM-63/2/003-A**	170433	**FRCMM-63/4/003-A**	170334
80	0.03	**FRCMM-80/2/003-A**	170434	**FRCMM-80/4/003-A**	170335
100	0.03	**FRCMM-100/2/003-A**	170435	**FRCMM-100/4/003-A**	170336
125	0.03	**FRCMM-125/2/003-A**	171164	**FRCMM-125/4/003-A**	171174
16	0.3	**FRCMM-16/2/03-A**	170278	**FRCMM-16/4/03-A**	170340
25	0.3	**FRCMM-25/2/03-A**	170279	**FRCMM-25/4/03-A**	170341
40	0.3	**FRCMM-40/2/03-A**	170280	**FRCMM-40/4/03-A**	170342
63	0.3	-	-	**FRCMM-63/4/03-A**	170343
80	0.3	-	-	**FRCMM-80/4/03-A**	170344
100	0.3	-	-	**FRCMM-100/4/03-A**	170345
125	0.3	**FRCMM-125/2/03-A**	171166	**FRCMM-125/4/03-A**	171176
16	0.5	**FRCMM-16/2/05-A**	170281	**FRCMM-16/4/05-A**	170346
25	0.5	**FRCMM-25/2/05-A**	170282	**FRCMM-25/4/05-A**	170347
40	0.5	**FRCMM-40/2/05-A**	170283	**FRCMM-40/4/05-A**	170348
63	0.5	**FRCMM-63/2/05-A**	170284	**FRCMM-63/4/05-A**	170349
80	0.5	-	-	**FRCMM-80/4/05-A**	170350
100	0.5	-	-	**FRCMM-100/4/05-A**	170351
125	0.5	**FRCMM-125/2/05-A**	171167	**FRCMM-125/4/05-A**	171177
Type G/A (ÖVE E 8601), short-time delayed					
16	0.03	**FRCMM-16/2/003-G/A**	170382	**FRCMM-16/4/003-G/A**	170293
25	0.03	**FRCMM-25/2/003-G/A**	170383	**FRCMM-25/4/003-G/A**	170294
40	0.03	**FRCMM-40/2/003-G/A**	170384	**FRCMM-40/4/003-G/A**	170295
63	0.03	**FRCMM-63/2/003-G/A**	170385	**FRCMM-63/4/003-G/A**	170296
80	0.03	**FRCMM-80/2/003-G/A**	170386	**FRCMM-80/4/003-G/A**	170297
100	0.03	**FRCMM-100/2/003-G/A**	170387	**FRCMM-100/4/003-G/A**	170298
125	0.03	**FRCMM-125/2/003-G/A**	171168	**FRCMM-125/4/003-G/A**	171178
16	0.3	**FRCMM-16/2/03-G/A**	170290	**FRCMM-16/4/03-G/A**	170302
25	0.3	**FRCMM-25/2/03-G/A**	170291	**FRCMM-25/4/03-G/A**	170303
40	0.3	**FRCMM-40/2/03-G/A**	170292	**FRCMM-40/4/03-G/A**	170304
63	0.3	-	-	**FRCMM-63/4/03-G/A**	170305
80	0.3	-	-	**FRCMM-80/4/03-G/A**	170306
100	0.3	-	-	**FRCMM-100/4/03-G/A**	170307
125	0.3	**FRCMM-125/2/03-G/A**	171170	**FRCMM-125/4/03-G/A**	171180
Type S/A, selective switch-off					
40	0.3	-	-	**FRCMM-40/4/03-S/A**	170448
63	0.3	-	-	**FRCMM-63/4/03-S/A**	170449
FRCmM-NA residual-current circuit breakers for use in North America		**IEC: 240/415 V; UL: 480Y/277 V**		**IEC: 240/415 V; UL: 480Y/277 V**	
Type A, pulse-current sensitive					
25	0.03	**FRCMM-25/2/003-A-NA**	167113	**FRCMM-25/4/003-A-NA**	167125
40	0.03	**FRCMM-40/2/003-A-NA**	167114	**FRCMM-40/4/003-A-NA**	167102
63	0.03	**FRCMM-63/2/003-A-NA**	167115	**FRCMM-63/4/003-A-NA**	167103
25	0.3	**FRCMM-25/2/03-A-NA**	167116	**FRCMM-25/4/03-A-NA**	167104
40	0.3	**FRCMM-40/2/03-A-NA**	167117	**FRCMM-40/4/03-A-NA**	167105
63	0.3	**FRCMM-63/2/03-A-NA**	167118	**FRCMM-63/4/03-A-NA**	167106
Type G/A (ÖVE E 8601), short-time delayed					
25	0.03	**FRCMM-25/2/003-G/A-NA**	167119	**FRCMM-25/4/003-G/A-NA**	167107
40	0.03	**FRCMM-40/2/003-G/A-NA**	167120	**FRCMM-40/4/003-G/A-NA**	167108
63	0.03	**FRCMM-63/2/003-G/A-NA**	167121	**FRCMM-63/4/003-G/A-NA**	167109
25	0.3	**FRCMM-25/2/03-G/A-NA**	167122	**FRCMM-25/4/03-G/A-NA**	167110
40	0.3	**FRCMM-40/2/03-G/A-NA**	167123	**FRCMM-40/4/03-G/A-NA**	167111
63	0.3	**FRCMM-63/2/03-G/A-NA**	167124	**FRCMM-63/4/03-G/A-NA**	167112

Rated current I_n A	Rated fault current $I_{\Delta N}$ A	2-pole Part no.	Article no.	4-pole Part no.	Article no.
FRCmM-NA-110 residual-current circuit breakers for use in North America					
IEC: 110/190 V; UL: 208/120 V					
Type A, pulse-current sensitive					
25	0.03	-	-	**FRCMM-25/4/003-A-NA-110**	167699
40	0.03	-	-	**FRCMM-40/4/003-A-NA-110**	167700
63	0.03	-	-	**FRCMM-63/4/003-A-NA-110**	167701
25	0.3	-	-	**FRCMM-25/4/03-A-NA-110**	167702
40	0.3	-	-	**FRCMM-40/4/03-A-NA-110**	167703
63	0.3	-	-	**FRCMM-63/4/03-A-NA-110**	167704
Type G/A (ÖVE E 8601), short-time delayed					
25	0.03	**FRCMM-25/2/003-G/A-NA-110**	167693	**FRCMM-25/4/003-G/A-NA-110**	167705
40	0.03	**FRCMM-40/2/003-G/A-NA-110**	167694	**FRCMM-40/4/003-G/A-NA-110**	167706
63	0.03	**FRCMM-63/2/003-G/A-NA-110**	167695	**FRCMM-63/4/003-G/A-NA-110**	167707
25	0.3	**FRCMM-25/2/03-G/A-NA-110**	167696	**FRCMM-25/4/03-G/A-NA-110**	167708
40	0.3	**FRCMM-40/2/03-G/A-NA-110**	167697	**FRCMM-40/4/03-G/A-NA-110**	167709
63	0.3	**FRCMM-63/2/03-G/A-NA-110**	167698	**FRCMM-63/4/03-G/A-NA-110**	167710
FBSmV add-on residual-current protection unit					
240/415 V (Products for 120 V and 440 V available on request)					
Type A, pulse-current sensitive					
40	0.03	**FBSMV-40/2/003-A**	170207	**FBSMV-40/4/003-A**	170227
63	0.03	**FBSMV-63/2/003-A**	170208	**FBSMV-63/4/003-A**	170228
40	0.1	**FBSMV-40/2/01-A**	170209	**FBSMV-40/4/01-A**	170229
63	0.1	**FBSMV-63/2/01-A**	170210	**FBSMV-63/4/01-A**	170230
40	0.3	**FBSMV-40/2/03-A**	170211	**FBSMV-40/4/03-A**	170231
63	0.3	**FBSMV-63/2/03-A**	170212	**FBSMV-63/4/03-A**	170232
40	0.5	**FBSMV-40/2/05-A**	170213	**FBSMV-40/4/05-A**	170233
63	0.5	**FBSMV-63/2/05-A**	170214	**FBSMV-63/4/05-A**	170234
40	1	**FBSMV-40/2/1-A**	170215	**FBSMV-40/4/1-A**	170235
63	1	**FBSMV-63/2/1-A**	170216	**FBSMV-63/4/1-A**	170236
Type S/A, selective switch-off					
40	0.1	**FBSMV-40/2/01-S/A**	170158	**FBSMV-40/4/01-S/A**	170166
63	0.1	**FBSMV-63/2/01-S/A**	170159	**FBSMV-63/4/01-S/A**	170167
40	0.3	**FBSMV-40/2/03-S/A**	170160	**FBSMV-40/4/03-S/A**	170168
63	0.3	**FBSMV-63/2/03-S/A**	170161	**FBSMV-63/4/03-S/A**	170169
FBHmV add-on residual-current protection unit					
240/415 V (Products 440 V available on request)					
Type A, pulse-current sensitive					
80	0.03	**FBHMV-80/2/003-A**	170257	**FBHMV-80/4/003-A**	170265
125	0.03	**FBHMV-125/2/003-A**	170258	**FBHMV-125/4/003-A**	170130
80	0.3	**FBHMV-80/2/03-A**	170259	**FBHMV-80/4/03-A**	170131
125	0.3	**FBHMV-125/2/03-A**	170260	**FBHMV-125/4/03-A**	170132
80	0.5	**FBHMV-80/2/05-A**	170261	**FBHMV-80/4/05-A**	170133
125	0.5	**FBHMV-125/2/05-A**	170262	**FBHMV-125/4/05-A**	170134
80	1	**FBHMV-80/2/1-A**	170263	**FBHMV-80/4/1-A**	170135
125	1	**FBHMV-125/2/1-A**	170264	**FBHMV-125/4/1-A**	170136
Type A, selective switch-off					
80	0.3	**FBHMV-80/2/03-S/A**	170137	**FBHMV-80/4/03-S/A**	170171
125	0.3	**FBHMV-125/2/03-S/A**	170138	**FBHMV-125/4/03-S/A**	170172
80	0.5	**FBHMV-80/2/05-S/A**	170139	**FBHMV-80/4/05-S/A**	170173
125	0.5	**FBHMV-125/2/05-S/A**	170140	**FBHMV-125/4/05-S/A**	170174
80	1	**FBHMV-80/2/1-S/A**	170141	**FBHMV-80/4/1-S/A**	170175
125	1	**FBHMV-125/2/1-S/A**	170170	**FBHMV-125/4/1-S/A**	170176

Rated current	Rated fault current	Tripping characteristic: B Instantaneous release response current: 3-5 x I_n		Tripping characteristic: C Instantaneous release response current: 5-10 x I_n		Tripping characteristic: D Instantaneous release response current: 10-20 x I_n	
I_n A	$I_{\Delta N}$ A	Part no.	Article no.	Part no.	Article no.	Part no.	Article no.
FRBmM digital residual-current circuit breakers with overcurrent protection Type A, pulse-current sensitive, 240 V							
1-pole+N, short-time delayed							
6	0.01	-	-	**FRBDM-C6/1N/001-G/A**	168252	**FRBDM-D6/1N/001-G/A**	168258
10	0.01	**FRBDM-B10/1N/001-G/A**	168249	**FRBDM-C10/1N/001-G/A**	168253	**FRBDM-D10/1N/001-G/A**	168259
13	0.01	**FRBDM-B13/1N/001-G/A**	168250	**FRBDM-C13/1N/001-G/A**	168254	**FRBDM-D13/1N/001-G/A**	168260
16	0.01	**FRBDM-B16/1N/001-G/A**	168251	**FRBDM-C16/1N/001-G/A**	168255	**FRBDM-D16/1N/001-G/A**	168261
20	0.01	-	-	**FRBDM-C20/1N/001-G/A**	168256	**FRBDM-D20/1N/001-G/A**	168262
25	0.01	-	-	**FRBDM-C25/1N/001-G/A**	168257	**FRBDM-D25/1N/001-G/A**	168263
6	0.03	-	-	**FRBDM-C6/1N/003-G/A**	168267	**FRBDM-D6/1N/003-G/A**	168273
10	0.03	**FRBDM-B10/1N/003-G/A**	168264	**FRBDM-C10/1N/003-G/A**	168268	**FRBDM-D10/1N/003-G/A**	168274
13	0.03	**FRBDM-B13/1N/003-G/A**	168265	**FRBDM-C13/1N/003-G/A**	168269	**FRBDM-D13/1N/003-G/A**	168275
16	0.03	**FRBDM-B16/1N/003-G/A**	168266	**FRBDM-C16/1N/003-G/A**	168270	**FRBDM-D16/1N/003-G/A**	168276
20	0.03	-	-	**FRBDM-C20/1N/003-G/A**	168271	**FRBDM-D20/1N/003-G/A**	168277
25	0.03	-	-	**FRBDM-C25/1N/003-G/A**	168272	**FRBDM-D25/1N/003-G/A**	168278
6	0.1	-	-	**FRBDM-C6/1N/01-G/A**	168282	**FRBDM-D6/1N/01-G/A**	168288
10	0.1	**FRBDM-B10/1N/01-G/A**	168279	**FRBDM-C10/1N/01-G/A**	168283	**FRBDM-D10/1N/01-G/A**	168289
13	0.1	**FRBDM-B13/1N/01-G/A**	168280	**FRBDM-C13/1N/01-G/A**	168284	**FRBDM-D13/1N/01-G/A**	168290
16	0.1	**FRBDM-B16/1N/01-G/A**	168281	**FRBDM-C16/1N/01-G/A**	168285	**FRBDM-D16/1N/01-G/A**	168291
20	0.1	-	-	**FRBDM-C20/1N/01-G/A**	168286	**FRBDM-D20/1N/01-G/A**	168292
25	0.1	-	-	**FRBDM-C25/1N/01-G/A**	168287	**FRBDM-D25/1N/01-G/A**	168293
2-pole, short-time delayed							
6	0.01	-	-	**FRBDM-C6/2/001-G/A**	168297	**FRBDM-D6/2/001-G/A**	168303
10	0.01	**FRBDM-B10/2/001-G/A**	168294	**FRBDM-C10/2/001-G/A**	168298	**FRBDM-D10/2/001-G/A**	168304
13	0.01	**FRBDM-B13/2/001-G/A**	168295	**FRBDM-C13/2/001-G/A**	168299	**FRBDM-D13/2/001-G/A**	168305
16	0.01	**FRBDM-B16/2/001-G/A**	168296	**FRBDM-C16/2/001-G/A**	168300	**FRBDM-D16/2/001-G/A**	168195
20	0.01	-	-	**FRBDM-C20/2/001-G/A**	168301	**FRBDM-D20/2/001-G/A**	168196
25	0.01	-	-	**FRBDM-C25/2/001-G/A**	168302	**FRBDM-D25/2/001-G/A**	168197
6	0.03	-	-	**FRBDM-C6/2/003-G/A**	168201	**FRBDM-D6/2/003-G/A**	168207
10	0.03	**FRBDM-B10/2/003-G/A**	168198	**FRBDM-C10/2/003-G/A**	168202	**FRBDM-D10/2/003-G/A**	168208
13	0.03	**FRBDM-B13/2/003-G/A**	168199	**FRBDM-C13/2/003-G/A**	168203	**FRBDM-D13/2/003-G/A**	168209
16	0.03	**FRBDM-B16/2/003-G/A**	168200	**FRBDM-C16/2/003-G/A**	168204	**FRBDM-D16/2/003-G/A**	168210
20	0.03	-	-	**FRBDM-C20/2/003-G/A**	168205	**FRBDM-D20/2/003-G/A**	168211
25	0.03	-	-	**FRBDM-C25/2/003-G/A**	168206	**FRBDM-D25/2/003-G/A**	168212
6	0.1	-	-	**FRBDM-C6/2/01-G/A**	168216	**FRBDM-D6/2/01-G/A**	168222
10	0.1	**FRBDM-B10/2/01-G/A**	168213	**FRBDM-C10/2/01-G/A**	168217	**FRBDM-D10/2/01-G/A**	168223
13	0.1	**FRBDM-B13/2/01-G/A**	168214	**FRBDM-C13/2/01-G/A**	168218	**FRBDM-D13/2/01-G/A**	168224
16	0.1	**FRBDM-B16/2/01-G/A**	168215	**FRBDM-C16/2/01-G/A**	168219	**FRBDM-D16/2/01-G/A**	168225
20	0.1	-	-	**FRBDM-C20/2/01-G/A**	168220	**FRBDM-D20/2/01-G/A**	168226
25	0.1	-	-	**FRBDM-C25/2/01-G/A**	168221	**FRBDM-D25/2/01-G/A**	168227
FRBmM residual-current circuit breakers with overcurrent protection Type A, pulse-current sensitive, 240 V (products for other voltage ranges available on request)							
1-pole+N, instantaneous							
2	0.03	-	-	**FRBMM-C2/1N/003-A**	170614	**FRBMM-D2/1N/003-A**	170643
4	0.03	-	-	**FRBMM-C4/1N/003-A**	170615	**FRBMM-D4/1N/003-A**	170644
6	0.03	**FRBMM-B6/1N/003-A**	170702	**FRBMM-C6/1N/003-A**	170616	**FRBMM-D6/1N/003-A**	170645
10	0.03	**FRBMM-B10/1N/003-A**	170703	**FRBMM-C10/1N/003-A**	170617	**FRBMM-D10/1N/003-A**	170646
13	0.03	**FRBMM-B13/1N/003-A**	170704	**FRBMM-C13/1N/003-A**	170618	**FRBMM-D13/1N/003-A**	170647
16	0.03	**FRBMM-B16/1N/003-A**	170705	**FRBMM-C16/1N/003-A**	170619	**FRBMM-D16/1N/003-A**	170648
20	0.03	**FRBMM-B20/1N/003-A**	170706	**FRBMM-C20/1N/003-A**	170620	**FRBMM-D20/1N/003-A**	170649
25	0.03	**FRBMM-B25/1N/003-A**	170707	**FRBMM-C25/1N/003-A**	170621	-	-
32	0.03	**FRBMM-B32/1N/003-A**	170708	**FRBMM-C32/1N/003-A**	170622	-	-
40	0.03	**FRBMM-B40/1N/003-A**	170709	**FRBMM-C40/1N/003-A**	170623	-	-

Rated current	Rated fault current	Tripping characteristic: B Instantaneous release response current: 3-5 x I_n		Tripping characteristic: C Instantaneous release response current: 5-10 x I_n		Tripping characteristic: D Instantaneous release response current: 10-20 x I_n	
I_n A	$I_{\Delta N}$ A	Part no.	Article no.	Part no.	Article no.	Part no.	Article no.
FRBmM residual-current circuit breakers with overcurrent protection							
Type A, pulse-current sensitive, 240 V (products for other voltage ranges available on request)							
1-pole+N, instantaneous							
2	0.1	-	-	FRBMM-C2/1N/01-A	170682	FRBMM-D2/1N/01-A	170544
4	0.1	-	-	FRBMM-C4/1N/01-A	170683	FRBMM-D4/1N/01-A	170545
6	0.1	FRBMM-B6/1N/01-A	170664	FRBMM-C6/1N/01-A	170684	FRBMM-D6/1N/01-A	170546
10	0.1	FRBMM-B10/1N/01-A	170665	FRBMM-C10/1N/01-A	170685	FRBMM-D10/1N/01-A	170547
13	0.1	FRBMM-B13/1N/01-A	170666	FRBMM-C13/1N/01-A	170686	FRBMM-D13/1N/01-A	170548
16	0.1	FRBMM-B16/1N/01-A	170667	FRBMM-C16/1N/01-A	170687	FRBMM-D16/1N/01-A	170549
20	0.1	FRBMM-B20/1N/01-A	170668	FRBMM-C20/1N/01-A	170688	FRBMM-D20/1N/01-A	170550
25	0.1	FRBMM-B25/1N/01-A	170669	FRBMM-C25/1N/01-A	170689	-	-
32	0.1	FRBMM-B32/1N/01-A	170670	FRBMM-C32/1N/01-A	170690	-	-
40	0.1	FRBMM-B40/1N/01-A	170671	FRBMM-C40/1N/01-A	170691	-	-
2	0.3	-	-	FRBMM-C2/1N/03-A	170571	FRBMM-D2/1N/03-A	170594
4	0.3	-	-	FRBMM-C4/1N/03-A	170572	FRBMM-D4/1N/03-A	170595
6	0.3	FRBMM-B6/1N/03-A	170607	FRBMM-C6/1N/03-A	170573	FRBMM-D6/1N/03-A	170596
10	0.3	FRBMM-B10/1N/03-A	170608	FRBMM-C10/1N/03-A	170574	FRBMM-D10/1N/03-A	170597
13	0.3	FRBMM-B13/1N/03-A	170609	FRBMM-C13/1N/03-A	170575	FRBMM-D13/1N/03-A	170598
16	0.3	FRBMM-B16/1N/03-A	170610	FRBMM-C16/1N/03-A	170576	FRBMM-D16/1N/03-A	170599
20	0.3	FRBMM-B20/1N/03-A	170611	FRBMM-C20/1N/03-A	170577	FRBMM-D20/1N/03-A	170868
25	0.3	FRBMM-B25/1N/03-A	170552	FRBMM-C25/1N/03-A	170578	-	-
32	0.3	FRBMM-B32/1N/03-A	170553	FRBMM-C32/1N/03-A	170579	-	-
40	0.3	FRBMM-B40/1N/03-A	170554	FRBMM-C40/1N/03-A	170580	-	-
2-pole, instantaneous							
6	0.03	-	-	FRBMM-C6/2/003-A	170785	-	-
10	0.03	FRBMM-B10/2/003-A	170879	FRBMM-C10/2/003-A	170786	-	-
13	0.03	FRBMM-B13/2/003-A	170880	FRBMM-C13/2/003-A	170787	-	-
16	0.03	FRBMM-B16/2/003-A	170881	FRBMM-C16/2/003-A	170788	-	-
20	0.03	FRBMM-B20/2/003-A	170882	FRBMM-C20/2/003-A	170789	-	-
25	0.03	FRBMM-B25/2/003-A	170883	-	-	-	-
32	0.03	FRBM6-B32/2/003-A	170884	-	-	-	-
40	0.03	FRBM6-B40/2/003-A	170885	-	-	-	-
6	0.1	-	-	FRBMM-C6/2/01-A	170819	-	-
10	0.1	FRBMM-B10/2/01-A	170803	FRBMM-C10/2/01-A	170820	-	-
13	0.1	FRBMM-B13/2/01-A	170804	FRBMM-C13/2/01-A	170821	-	-
16	0.1	FRBMM-B16/2/01-A	170805	FRBMM-C16/2/01-A	170822	-	-
20	0.1	FRBMM-B20/2/01-A	170806	FRBMM-C20/2/01-A	170823	-	-
6	0.3	-	-	FRBMM-C6/2/03-A	170863	-	-
10	0.3	FRBMM-B10/2/03-A	170844	FRBMM-C10/2/03-A	170864	-	-
13	0.3	FRBMM-B13/2/03-A	170845	FRBMM-C13/2/03-A	170865	-	-
16	0.3	FRBMM-B16/2/03-A	170846	FRBMM-C16/2/03-A	170866	-	-
20	0.3	FRBMM-B20/2/03-A	170847	FRBMM-C20/2/03-A	170867	-	-
3-pole, instantaneous, 415 V							
6	0.03	-	-	FRBMM-C6/3/003-A	170737	FRBMM-D6/3/003-A	170774
10	0.03	FRBMM-B10/3/003-A	170733	FRBMM-C10/3/003-A	170738	FRBMM-D10/3/003-A	170775
13	0.03	FRBMM-B13/3/003-A	170734	FRBMM-C13/3/003-A	170739	FRBMM-D13/3/003-A	170776
16	0.03	FRBMM-B16/3/003-A	170735	FRBMM-C16/3/003-A	170740	FRBMM-D16/3/003-A	170777
20	0.03	FRBMM-B20/3/003-A	170736	FRBMM-C20/3/003-A	170741	FRBMM-D20/3/003-A	170778
25	0.03	-	-	FRBMM-C25/3/003-A	170772	FRBMM-D25/3/003-A	170779
32	0.03	-	-	FRBMM-C32/3/003-A	170773	-	-
6	0.1	-	-	FRBMM-C6/3/01-A	170742	FRBMM-D6/3/01-A	170749
10	0.1	FRBMM-B10/3/01-A	170780	FRBMM-C10/3/01-A	170743	FRBMM-D10/3/01-A	170750

Rated current	Rated fault current	Tripping characteristic: B Instantaneous release response current: 3-5 x I_n		Tripping characteristic: C Instantaneous release response current: 5-10 x I_n		Tripping characteristic: D Instantaneous release response current: 10-20 x I_n	
I_n A	$I_{\Delta N}$ A	Part no.	Article no.	Part no.	Article no.	Part no.	Article no.
FRBmM residual-current circuit breakers with overcurrent protection							
Type A, pulse-current sensitive (products for other voltage ranges available on request)							
13	0.1	**FRBMM-B13/3/01-A**	170781	**FRBMM-C13/3/01-A**	170744	**FRBMM-D13/3/01-A**	170751
16	0.1	**FRBMM-B16/3/01-A**	170782	**FRBMM-C16/3/01-A**	170745	**FRBMM-D16/3/01-A**	170752
20	0.1	**FRBMM-B20/3/01-A**	170783	**FRBMM-C20/3/01-A**	170746	**FRBMM-D20/3/01-A**	170753
25	0.1	-	-	**FRBMM-C25/3/01-A**	170747	**FRBMM-D25/3/01-A**	170754
32	0.1	-	-	**FRBMM-C32/3/01-A**	170748	-	-
6	0.3	-	-	**FRBMM-C6/3/03-A**	170759	**FRBMM-D6/3/03-A**	170766
10	0.3	**FRBMM-B10/3/03-A**	170755	**FRBMM-C10/3/03-A**	170760	**FRBMM-D10/3/03-A**	170767
13	0.3	**FRBMM-B13/3/03-A**	170756	**FRBMM-C13/3/03-A**	170761	**FRBMM-D13/3/03-A**	170768
16	0.3	**FRBMM-B16/3/03-A**	170757	**FRBMM-C16/3/03-A**	170762	**FRBMM-D16/3/03-A**	170769
20	0.3	**FRBMM-B20/3/03-A**	170758	**FRBMM-C20/3/03-A**	170763	**FRBMM-D20/3/03-A**	170770
25	0.3	-	-	**FRBMM-C25/3/03-A**	170764	**FRBMM-D25/3/03-A**	170771
32	0.3	-	-	**FRBMM-C32/3/03-A**	170765	-	-
3-pole+N, instantaneous, 240/415 V							
6	0.03	-	-	**FRBM6-C6/3N/003-A**	170996	**FRBM6-D6/3N/003-A**	171008
10	0.03	-	-	**FRBM6-C10/3N/003-A**	170997	**FRBM6-D10/3N/003-A**	170892
13	0.03	**FRBM6-B13/3N/003-A**	170987	**FRBM6-C13/3N/003-A**	170998	**FRBM6-D13/3N/003-A**	170893
16	0.03	**FRBM6-B16/3N/003-A**	170988	**FRBM6-C16/3N/003-A**	170999	**FRBM6-D16/3N/003-A**	170894
20	0.03	-	-	**FRBM4-C20/3N/003-A**	171000	**FRBM4-D20/3N/003-A**	170895
25	0.03	-	-	**FRBM4-C25/3N/003-A**	171001	-	-
32	0.03	-	-	**FRBM4-C32/3N/003-A**	171002	-	-
6	0.1	-	-	**FRBM6-C6/3N/01-A**	170926	**FRBM6-D6/3N/01-A**	170938
10	0.1	-	-	**FRBM6-C10/3N/01-A**	170927	**FRBM6-D10/3N/01-A**	170939
13	0.1	**FRBM6-B13/3N/01-A**	170898	**FRBM6-C13/3N/01-A**	170928	**FRBM6-D13/3N/01-A**	170940
16	0.1	**FRBM6-B16/3N/01-A**	170899	**FRBM6-C16/3N/01-A**	170929	**FRBM6-D16/3N/01-A**	170941
20	0.1	-	-	**FRBM4-C20/3N/01-A**	170930	**FRBM4-D20/3N/01-A**	170942
25	0.1	-	-	**FRBM4-C25/3N/01-A**	170931	-	-
32	0.1	-	-	**FRBM4-C32/3N/01-A**	170932	-	-
6	0.3	-	-	**FRBM6-C6/3N/03-A**	170954	**FRBM6-D6/3N/03-A**	170966
10	0.3	-	-	**FRBM6-C10/3N/03-A**	170955	**FRBM6-D10/3N/03-A**	170967
13	0.3	**FRBM6-B13/3N/03-A**	170945	**FRBM6-C13/3N/03-A**	170956	**FRBM6-D13/3N/03-A**	170968
16	0.3	**FRBM6-B16/3N/03-A**	170946	**FRBM6-C16/3N/03-A**	170957	**FRBM6-D16/3N/03-A**	170969
20	0.3	-	-	**FRBM4-C20/3N/03-A**	170958	**FRBM4-D20/3N/03-A**	170970
25	0.3	-	-	**FRBM4-C25/3N/03-A**	170959	-	-
32	0.3	-	-	**FRBM4-C32/3N/03-A**	170960	-	-
Type F, 1-phase converter applications, 240 V							
1-pole+N, short-time delayed							
13	0.03	**FRBmM-B13/1N/003-F**	193479	**FRBmM-C13/1N/003-F**	193482	**FRBmM-D13/1N/003-F**	193485
16	0.03	**FRBmM-B16/1N/003-F**	193480	**FRBmM-C16/1N/003-F**	193483	**FRBmM-D16/1N/003-F**	193486
20	0.03	**FRBmM-B20/1N/003-F**	193481	**FRBmM-C20/1N/003-F**	193484	**FRBmM-D20/1N/003-F**	193487
25	0.03	**FRBmM-B25/1N/003-F**	193488	**FRBmM-C25/1N/003-F**	193491	-	-
32	0.03	**FRBmM-B32/1N/003-F**	193489	**FRBmM-C32/1N/003-F**	193492	-	-
40	0.03	**FRBmM-B40/1N/003-F**	193490	**FRBmM-C40/1N/003-F**	193493	-	-
13	0.3	**FRBmM-B13/1N/03-F**	193494	**FRBmM-C13/1N/03-F**	193497	**FRBmM-D13/1N/03-F**	193500
16	0.3	**FRBmM-B16/1N/03-F**	193495	**FRBmM-C16/1N/03-F**	193498	**FRBmM-D16/1N/03-F**	193501
20	0.3	**FRBmM-B20/1N/03-F**	193496	**FRBmM-C20/1N/03-F**	193499	**FRBmM-D20/1N/03-F**	193502
25	0.3	**FRBmM-B25/1N/03-F**	193503	**FRBmM-C25/1N/03-F**	193506	-	-
32	0.3	**FRBmM-B32/1N/03-F**	193504	**FRBmM-C32/1N/03-F**	193507	-	-
40	0.3	**FRBmM-B40/1N/03-F**	193505	**FRBmM-C40/1N/03-F**	193508	-	-

Description	Part no.	Article no.
Accessories for IEC circuit breakers		
SWD connection module for miniature circuit breakers, residual-current circuit breakers and residual-current circuit breakers with overcurrent protection	**MCB-HK-SWD**	177175
Screw-in auxiliary contact		
Auxiliary contact for residual-current circuit breakers, 1 N/O, 1 N/C	**Z-HK**	248432
Auxiliary contact for miniature circuit breakers and residual-current circuit breakers with overcurrent protection, 1 N/O, 1 N/C	**Z-AHK**	248433
Tripping signal contact for miniature circuit breakers, residual-current circuit breakers and residual-current circuit breakers with overcurrent protection, 2 W	**Z-NHK**	248434
Snap-on auxiliary contact		
Auxiliary contact for miniature circuit breakers and residual-current circuit breakers with overcurrent protection, 1 N/O, 1 N/C	**ZP-IHK**	286052
Auxiliary contact for miniature circuit breakers and residual-current circuit breakers with overcurrent protection, 1 W	**ZP-WHK**	286053
Tripping signal contact for miniature circuit breakers and residual-current circuit breakers with overcurrent protection, 2 W	**ZP-NHK**	248437
Snap-on shunt release		
12 - 110 V DC	**ZP-ASA/24**	248438
110 - 415 V DC	**ZP-ASA/230**	248439
Undervoltage release, instantaneous		
115 V DC	**Z-USA/115**	248288
230 V DC	**Z-USA/230**	248289
400 V DC	**Z-USA/400**	248290
Accessories for UL/CSA circuit breakers		
Auxiliary contact for FAZ-NA, - RT	**Z-IHK-NA**	113895
Shunt release for FAZ-NA, -RT, 12 - 110 V AC	**FAZ-XAA-NA12-110VAC**	102037
Shunt release for FAZ-NA, -RT, 110 - 415 V AC	**FAZ-XAA-NA110-415VAC**	102036

Description	Devices Quantity	Type	Part no.	Article no.
Busbars				
Busbar for FAZ, can be cut to the required length, 100 A				
Cross-section: 18 mm²	-	1-phase	**BB-UL-18/1P-1M/57**	121981
Cross-section: 18 mm²	-	2-phase	**BB-UL-18/2P-2M/56**	121982
Cross-section: 18 mm²	-	3-phase	**BB-UL-18/3P-3M/57**	121983
Cross-section: 25 mm²	-	1-phase	**BB-UL-25/1P-1M/57**	121989
Cross-section: 25 mm²	-	2-phase	**BB-UL-25/2P-2M/56**	121990
Cross-section: 25 mm²	-	3-phase	**BB-UL-25/3P-3M/57**	121991
Busbar for FAZ-NA and -RT, can be cut to the required length, 100 A				
Cross-section: 25 mm²	-	1-phase	**Z-BB/UL25/1P1MU/57**	171131
Cross-section: 25 mm²	-	1-phase + auxiliary contact	**Z-BB/UL25/1P1MU+AUX/37**	171137
Cross-section: 25 mm²	-	2 x 1-phase + auxiliary contact	**Z-BB/UL25/2X1P1MU+AUX/38**	171143
Cross-section: 25 mm²	-	3 x 1-phase + auxiliary contact	**Z-BB/UL25/3X1P1MU+AUX/39**	171141
Cross-section: 25 mm²	-	2-phase	**Z-BB/UL25/2P1MU/56**	171132
Cross-section: 25 mm²	-	2-phase + auxiliary contact	**Z-BB/UL25/2P1MU+AUX/46**	171138
Cross-section: 25 mm²	-	3-phase	**Z-BB/UL25/3P1MU/57**	171133
Cross-section: 25 mm²	-	3-phase + auxiliary contact	**Z-BB/UL25/3P1MU+AUX/48**	171139
End cap for shroud section	-	-	**Z-ECUL**	171145
Extension terminals	-	-	**Z-TEUL35**	171144
Busbar tag shroud	-	-	**Z-FPUL**	171146
Z-SV/UL busbar for FAZ-NA and -RT, 80 A				
Cross-section: 16 mm²	6	1-phase	**Z-SV/UL-16/1P-1TE/6**	104892
Cross-section: 16 mm²	12	1-phase	**Z-SV/UL-16/1P-1TE/12**	104893
Cross-section: 16 mm²	18	1-phase	**Z-SV/UL-16/1P-1TE/18**	104894
Cross-section: 16 mm²	6	2-phase	**Z-SV/UL-16/2P-2TE/6**	104895
Cross-section: 16 mm²	12	2-phase	**Z-SV/UL-16/2P-2TE/12**	104896
Cross-section: 16 mm²	18	2-phase	**Z-SV/UL-16/2P-2TE/18**	104897
Cross-section: 16 mm²	6	3-phase	**Z-SV/UL-16/3P-3TE/6**	104898
Cross-section: 16 mm²	12	3-phase	**Z-SV/UL-16/3P-3TE/12**	104899
Cross-section: 16 mm²	18	3-phase	**Z-SV/UL-16/3P-3TE/18**	104900
Connection terminal: 2.5 - 35 mm²	-	-	**Z-EK/35/UL**	104901
Connection terminal: 1.5 - 50 mm²	-	-	**Z-EB/50/UL**	104902
Busbar tag shroud for three pins	-	-	**ZV-BS-UL**	104904