

FAZ-S MCB series

Miniature Circuit Breakers



EATON

Powering Business Worldwide

MOELLER 

An Eaton Brand

FAZ-S MCB series

FAZ-S MCB series



- High-quality miniature circuit breakers for industrial applications and residential applications.
- Contact position indicator red - green.
- Guide for secure terminal connection.
- 3-position DIN rail clip, permits removal from existing busbar system.
- Rated currents up to 63 A.
- Tripping characteristics C, D.
- Rated breaking capacity up to 15 kA according to IEC/EN 60947-2.
- **Product certification: KC, CE and CCC.**
- **Special I-marking design enables the visual check on the screws tightness without removing the transparent cover.**
- **Reliable Ring Terminals connection.**
- **Transparent cover meets UL94 V0 standard.**

Characteristic C

Description

1-pole



Rated current In (A)	Rated voltage (V)	Breaking capacity acc. to IEC/EN60947-2 (kA)	Type designation	Article No.	Units per package
0.5	240/415	15	FAZ-C0.5/1-S	CBE00053	12
1	240/415	15	FAZ-C1/1-S	CBE00054	12
1.5	240/415	15	FAZ-C1.5/1-S	CBE00055	12
2	240/415	15	FAZ-C2/1-S	CBE00056	12
3	240/415	15	FAZ-C3/1-S	CBE00057	12
4	240/415	15	FAZ-C4/1-S	CBE00058	12
5	240/415	15	FAZ-C5/1-S	CBE00059	12
6	240/415	15	FAZ-C6/1-S	CBE00060	12
8	240/415	15	FAZ-C8/1-S	CBE00061	12
10	240/415	15	FAZ-C10/1-S	CBE00062	12
12	240/415	15	FAZ-C12/1-S	CBE00063	12
13	240/415	15	FAZ-C13/1-S	CBE00064	12
15	240/415	15	FAZ-C15/1-S	CBE00065	12
16	240/415	15	FAZ-C16/1-S	CBE00066	12
20	240/415	15	FAZ-C20/1-S	CBE00067	12
25	240/415	15	FAZ-C25/1-S	CBE00068	12
32	240/415	15	FAZ-C32/1-S	CBE00069	12
40	240/415	15	FAZ-C40/1-S	CBE00070	12
50	240/415	15	FAZ-C50/1-S	CBE00071	12
63	240/415	15	FAZ-C63/1-S	CBE00072	12

Characteristic C

Description

2-pole



3-pole



Rated current In (A)	Rated voltage (V)	Breaking capacity acc. to IEC/EN60947-2 (kA)	Type designation	Article No.	Units per package
0.5	415	15	FAZ-C0.5/2-S	CBE00073	6
1	415	15	FAZ-C1/2-S	CBE00074	6
1.5	415	15	FAZ-C1.5/2-S	CBE00075	6
2	415	15	FAZ-C2/2-S	CBE00076	6
3	415	15	FAZ-C3/2-S	CBE00077	6
4	415	15	FAZ-C4/2-S	CBE00078	6
5	415	15	FAZ-C5/2-S	CBE00079	6
6	415	15	FAZ-C6/2-S	CBE00080	6
8	415	15	FAZ-C8/2-S	CBE00081	6
10	415	15	FAZ-C10/2-S	CBE00082	6
12	415	15	FAZ-C12/2-S	CBE00083	6
13	415	15	FAZ-C13/2-S	CBE00084	6
15	415	15	FAZ-C15/2-S	CBE00085	6
16	415	15	FAZ-C16/2-S	CBE00086	6
20	415	15	FAZ-C20/2-S	CBE00087	6
25	415	15	FAZ-C25/2-S	CBE00088	6
32	415	15	FAZ-C32/2-S	CBE00089	6
40	415	15	FAZ-C40/2-S	CBE00090	6
50	415	15	FAZ-C50/2-S	CBE00091	6
63	415	15	FAZ-C63/2-S	CBE00092	6
0.5	415	15	FAZ-C0.5/3-S	CBE00093	4
1	415	15	FAZ-C1/3-S	CBE00094	4
1.5	415	15	FAZ-C1.5/3-S	CBE00095	4
2	415	15	FAZ-C2/3-S	CBE00096	4
3	415	15	FAZ-C3/3-S	CBE00097	4
4	415	15	FAZ-C4/3-S	CBE00098	4
5	415	15	FAZ-C5/3-S	CBE00099	4
6	415	15	FAZ-C6/3-S	CBE00100	4
8	415	15	FAZ-C8/3-S	CBE00101	4
10	415	15	FAZ-C10/3-S	CBE00102	4
12	415	15	FAZ-C12/3-S	CBE00103	4
13	415	15	FAZ-C13/3-S	CBE00104	4
15	415	15	FAZ-C15/3-S	CBE00105	4
16	415	15	FAZ-C16/3-S	CBE00106	4
20	415	15	FAZ-C20/3-S	CBE00107	4
25	415	15	FAZ-C25/3-S	CBE00108	4
32	415	15	FAZ-C32/3-S	CBE00109	4
40	415	15	FAZ-C40/3-S	CBE00110	4
50	415	15	FAZ-C50/3-S	CBE00111	4
63	415	15	FAZ-C63/3-S	CBE00112	4

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Characteristic D

Description

1-pole



2-pole



Rated current In (A)	Rated voltage (V)	Breaking capacity acc. to IEC/EN60947-2 (kA)	Type designation	Article No.	Units per package
0.5	240/415	15	FAZ-D0.5/1-S	CBE00113	12
1	240/415	15	FAZ-D1/1-S	CBE00114	12
1.5	240/415	15	FAZ-D1.5/1-S	CBE00115	12
2	240/415	15	FAZ-D2/1-S	CBE00116	12
3	240/415	15	FAZ-D3/1-S	CBE00117	12
4	240/415	15	FAZ-D4/1-S	CBE00118	12
5	240/415	15	FAZ-D5/1-S	CBE00119	12
6	240/415	15	FAZ-D6/1-S	CBE00120	12
8	240/415	15	FAZ-D8/1-S	CBE00121	12
10	240/415	15	FAZ-D10/1-S	CBE00122	12
12	240/415	15	FAZ-D12/1-S	CBE00123	12
13	240/415	15	FAZ-D13/1-S	CBE00124	12
15	240/415	15	FAZ-D15/1-S	CBE00125	12
16	240/415	15	FAZ-D16/1-S	CBE00126	12
20	240/415	15	FAZ-D20/1-S	CBE00127	12
25	240/415	15	FAZ-D25/1-S	CBE00128	12
32	240/415	15	FAZ-D32/1-S	CBE00129	12
40	240/415	15	FAZ-D40/1-S	CBE00130	12
50	240/415	10	FAZ-D50/1-S	CBE00131	12
63	240/415	10	FAZ-D63/1-S	CBE00132	12
0.5	415	15	FAZ-D0.5/2-S	CBE00133	6
1	415	15	FAZ-D1/2-S	CBE00134	6
1.5	415	15	FAZ-D1.5/2-S	CBE00135	6
2	415	15	FAZ-D2/2-S	CBE00136	6
3	415	15	FAZ-D3/2-S	CBE00137	6
4	415	15	FAZ-D4/2-S	CBE00138	6
5	415	15	FAZ-D5/2-S	CBE00139	6
6	415	15	FAZ-D6/2-S	CBE00140	6
8	415	15	FAZ-D8/2-S	CBE00141	6
10	415	15	FAZ-D10/2-S	CBE00142	6
12	415	15	FAZ-D12/2-S	CBE00143	6
13	415	15	FAZ-D13/2-S	CBE00144	6
15	415	15	FAZ-D15/2-S	CBE00145	6
16	415	15	FAZ-D16/2-S	CBE00146	6
20	415	15	FAZ-D20/2-S	CBE00147	6
25	415	15	FAZ-D25/2-S	CBE00148	6
32	415	15	FAZ-D32/2-S	CBE00149	6
40	415	15	FAZ-D40/2-S	CBE00150	6
50	415	10	FAZ-D50/2-S	CBE00151	6
63	415	10	FAZ-D63/2-S	CBE00152	6

Characteristic D

Description

3-pole



Rated current In (A)	Rated voltage (V)	Breaking capacity acc. to IEC/EN60947-2 (kA)	Type designation	Article No.	Units per package
0.5	415	15	FAZ-D0.5/3-S	CBE00153	4
1	415	15	FAZ-D1/3-S	CBE00154	4
1.5	415	15	FAZ-D1.5/3-S	CBE00155	4
2	415	15	FAZ-D2/3-S	CBE00156	4
3	415	15	FAZ-D3/3-S	CBE00157	4
4	415	15	FAZ-D4/3-S	CBE00158	4
5	415	15	FAZ-D5/3-S	CBE00159	4
6	415	15	FAZ-D6/3-S	CBE00160	4
8	415	15	FAZ-D8/3-S	CBE00161	4
10	415	15	FAZ-D10/3-S	CBE00162	4
12	415	15	FAZ-D12/3-S	CBE00163	4
13	415	15	FAZ-D13/3-S	CBE00164	4
15	415	15	FAZ-D15/3-S	CBE00165	4
16	415	15	FAZ-D16/3-S	CBE00166	4
20	415	15	FAZ-D20/3-S	CBE00167	4
25	415	15	FAZ-D25/3-S	CBE00168	4
32	415	15	FAZ-D32/3-S	CBE00169	4
40	415	15	FAZ-D40/3-S	CBE00170	4
50	415	10	FAZ-D50/3-S	CBE00171	4
63	415	10	FAZ-D63/3-S	CBE00172	4

Accessory



Description	Type designation	Article No.	
Transparent cover *	Z-CV/TP-3P	CBE00173	32 SETS

* CBE00173 is one set of transparent cover for one 3 poles FAZ-S, including both terminals,
Customer can customize it for one or two poles FAZ-S, please consult it to local sales if you have any questions.

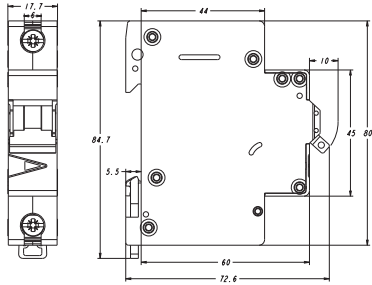
FAZ-S MCB series

Technical Data

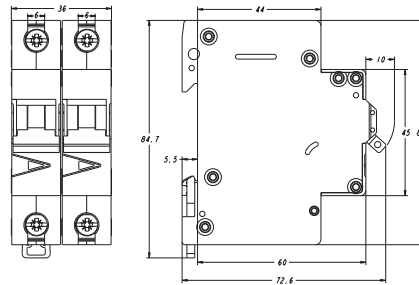
Electrical	C Characteristic	D Characteristic
Standards	IEC/EN 60947-2	
Certification	CCC, CE, KC	
Short-circuit trip response	5-10 I _n	10-20 I _n
Miniature Circuit Breaker-IEC		
Single-pole	240V AC 60V DC	240V AC 60V DC
Two-, three-pole	415V AC	415V AC
Thermal tripping characteristics - IEC 60947-2	> 1 hour @ 1.05 x I _n @ 40° C < 1 hour @ 1.3 x I _n @ 40° C	> 1 hour @ 1.05 x I _n @ 40° C < 1 hour @ 1.3 x I _n @ 40° C
Interrupt ratings (at max. voltage)		
IEC 60947-2	15kA	15 kA (type D50 and D63: 10k A)
Operational switching capacity	7.5 kA	7.5 kA (type D50 and D63: 6 kA)
Max. back-up fuse [gL/gG]	125A	125A
Rated impulse withstand voltage - U _{imp}	4000 V AC	4000 V AC
Rated insulation voltage - U _i	440 V AC	440 V AC
Environmental / General		
Selectivity class	3	3
Endurance (operations)	>10000 (1 operation = ON/OFF)	>10000 (1 operation = ON/OFF)
Shock (IEC 68-2-22)	10 g / 120 ms 10 g / 120 ms 10 g / 120 ms Operating temperature range -40 up to +75° C	10 g / 120 ms 10 g / 120 ms 10 g / 120 ms Operating temperature range -40 up to +75° C
Operating temperature range	-40 up to +75° C	-40 up to +75° C
Mechanical		
Device height	80 mm	80 mm
Terminal protection	Finger and back-of-hand proof	Finger and back-of-hand proof
Mounting width per pole	17.5 mm	17.5 mm
Mounting	IEC/EN 60715 top-hat rail	IEC/EN 60715 top-hat rail
Degree of protection	IP20	IP20
Terminals top and bottom	Twin-purpose terminals	Twin-purpose terminals
Supply connection	Line or load side	Line or load side
Terminal capacity [mm ²]	1 x 25 / 2 x 10	1 x 25 / 2 x 10
Torque of terminals	2.4 Nm	2.4 Nm
Thickness of busbar material	0.8 - 2 mm	0.8 - 2 mm
Mounting position	As required	As required

Dimensions (mm) FAZ-S

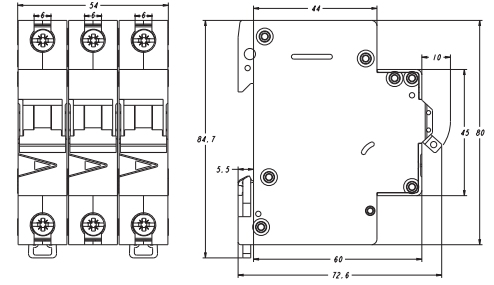
1-pole



2-pole



3-pole

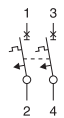


Connection diagram

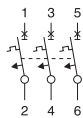
1-pole



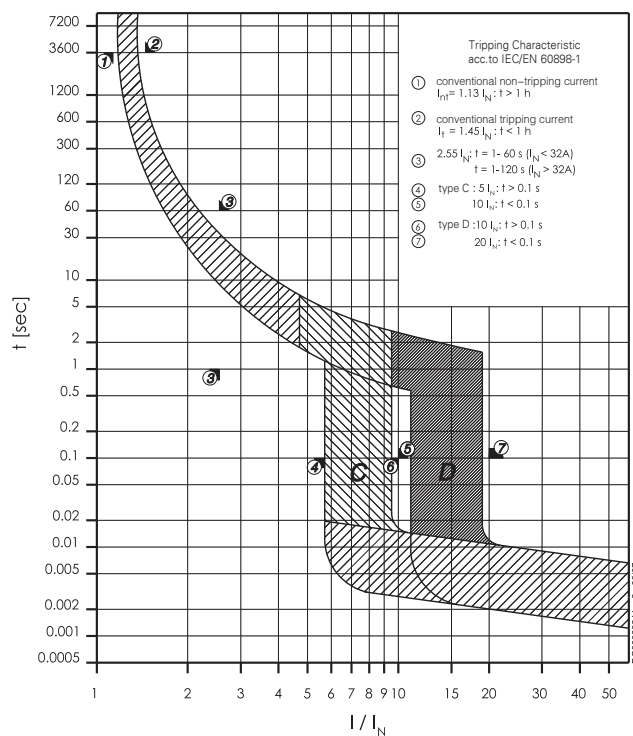
2-poles



3-poles



Characteristics C and D-IEC/EN60947-2



At Eaton, we make what matters work. Our energy-efficient solutions help customers effectively manage electrical, hydraulic and mechanical power more reliably, safely and sustainably. We are dedicated to improving the quality of life and the environment through the use of power management technologies and services. Eaton employs 100,000 people worldwide, and sells products to customers in more than 175 countries. Eaton generated sales of \$21.6 billion in 2018. For more information, visit Eaton.com.

Eaton began operation in China more than 20 years ago. Since entering the Chinese market in 1993, Eaton's presence has grown significantly in China. In 2004, Eaton moved its Asia Pacific headquarters from Hong Kong to Shanghai.

In Greater China region, we have approximately 10,000 employees, 29 manufacturing bases and 5 R&D centers. Today, we make most products for all of Eaton's distinct business here. Our energy-efficient products and solutions have helped our customers work more safely, efficiently and do business more sustainably.

For more information about Eaton China, visit: **www.eaton.com.cn**
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