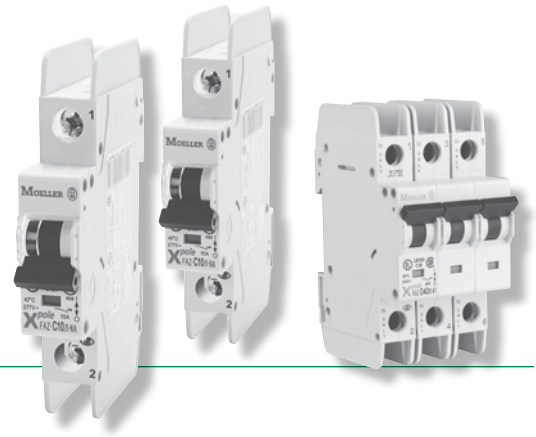


NEW >>

## series FAZ branch circuit breakers

Branch circuit protection up to 10kA



Moeller has just expanded its FAZ line of miniature circuit breakers to include devices that are listed and certified as molded case circuit breakers per UL 489 and CSA 22.2, No. 5-02. These new branch circuit breakers, called FAZ-NA, are ideal for the protection of power supplies, control power transformers, HVAC, refrigeration equipment, florescent lighting (to 20A) and many other applications requiring a primary protective device.

### Flexible product range

Moeller's FAZ Branch Circuit Breakers are available in one, two and three pole configurations with 20 different current ratings ranging from 0.5A to 40A. All breakers are available in both C and D tripping curves, offering protection from 5 to 10 and 10 to 20 x the continuous rating of the device ( $I_n$ ). Two and three pole devices can be used in solidly grounded circuits up to 480V AC. The entire line offers short circuit ratings of 10kA regardless of voltage applied.

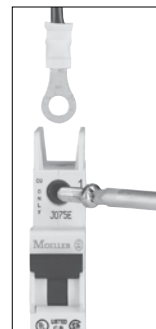
See page 43 about...

Applying

FAZ

in North America

- > Molded case circuit breaker per UL 489 / CSA 22.2 No. 5.1
- > Current limiting device
- > Ring-tongue terminals available
- > Worldwide approvals



### Many installation options

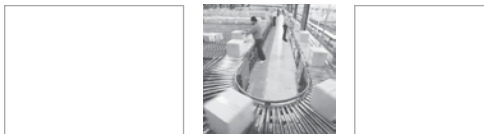
FAZ Branch Circuit Breakers are available in two terminal configurations; standard box terminals that accept multiple conductors and ring-tongue terminals, ideally suited to the demanding requirements of the semi-conductor industry. All breakers mount on standard 35mm DIN-rail. Bus Connectors and Feeder Terminals facilitate mounting and wiring of multiple miniature circuit breaker arrays in control panel assemblies. Power to the circuit breakers can also be fed from the line or load side.

### Standard features enhance safety

As with most products from Moeller, FAZ breaker terminals provide finger and back-of-hand protection to guard against accidental contact with live parts. A color-coded red/green indicator provides immediate visual indication of device status and isolation function (green for OFF, red for ON). All FAZ breakers incorporate a "trip-free" mechanism. This prevents the trip function from being defeated by holding the operator in the ON position. In addition, all FAZ branch circuit breakers are UL listed and CSA certified for *fuseless* protection of smaller AWG 18 and 16 conductors!

### Worldwide acceptance

FAZ-NA (RT) Molded Case Circuit Breakers are UL Listed for use in the United States in accordance with NFPA 70 (NEC). The devices comply with UL 489 and CSA 22.2 No. 5-02, meeting the requirements for Molded Case Circuit Breakers. These devices also comply with IEC 60947-2 and are CE compliant.



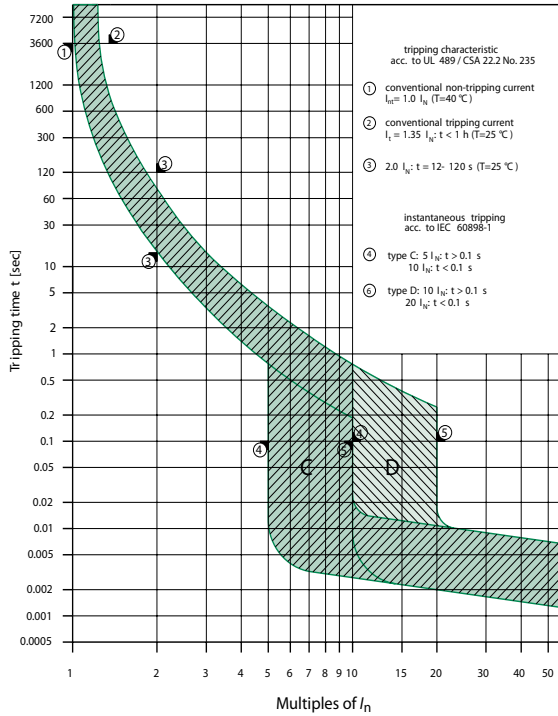


## Tripping characteristics

Moeller FAZ-NA(RT) branch circuit breakers are available with “C” and “D” tripping characteristics. C-curve devices are suitable for applications where medium levels of inrush current are expected. Applications include small transformers, lighting, pilot devices, control circuits, and coils. C-curve devices provide a medium magnetic trip point.

Devices with a “D” curve are suitable for applications where high levels of inrush current are expected. The high magnetic trip point prevents nuisance tripping in high inductive applications such as motors, transformers, and power supplies.

Even though not required by NEC or CEC for Branch Circuit Breakers, Moeller’s FAZ-NA(RT) devices are current limiting, which means they interrupt fault currents within one half cycle of the fault. Current limiting devices offer superior protection by reducing peak let-through current and energy.



This graph shows trip-time versus over-current for Type C and D devices FAZ-NA branch circuit breakers.

## Discover these advanced features

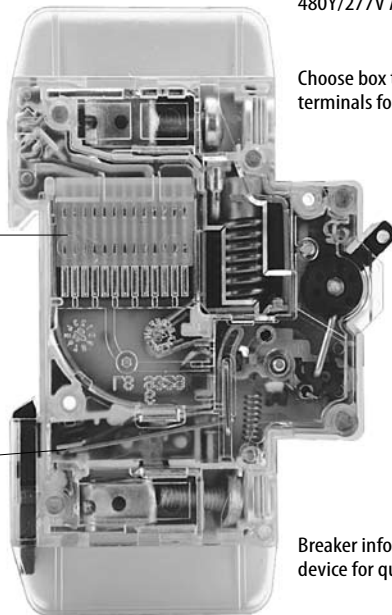
Available in one, two and three poles with “C” & “D” trip characteristics

Arc Chutes quickly extinguish arcs generated by the opening of the contacts under normal or high fault conditions

Arc chutes and switching mechanism are kept apart for mechanical reliability

Breakers install on standard DIN-rail

Bimetal trip assembly provides reliable overload protection through a broad range of ambient temperatures



Short circuit rating to 10kA (@277V AC and 480Y/277V AC for multi-pole) –

Choose box terminals (AWA #18 to #4) or terminals for ring-tongue connectors

Complete bus bar system available for quickly installing breaker arrays

Trip-free design; breaker cannot be defeated by holding the handle in the ON position

Color coded indicator provides breaker status for easy troubleshooting




Breaker information printed on the front of the device for quick identification

- > UL Approved (UL489) and CSA Certified (CSA C22.2 No. 5-02) as Branch Circuit Breakers
- > Interrupting capacity: 10kA UL/CSA; 15kA IEC 60947
- > Trip characteristic C: Response time of instantaneous trip: 5 – 10 x  $I_n$  current rating
- > Current limiting device

**Type C Characteristics**

Suitable for applications where medium levels of inrush current are expected. Instantaneous trip is 5 to 10 x rating of device ( $I_n$ ). Applications include small transformers, lighting, pilot devices, control circuits, and coils. Medium magnetic trip point.

**Trip Characteristic C – Designed for inductive loads**

Rated Current $I_n$ [A]	1 pole	2 poles	3 poles
			
	Catalog Number	Catalog Number	Catalog Number
0.5	FAZ-C0,5/1-NA	FAZ-C0,5/2-NA	FAZ-C0,5/3-NA
1	FAZ-C1/1-NA	FAZ-C1/2-NA	FAZ-C1/3-NA
1.5	FAZ-C1,5/1-NA	FAZ-C1,5/2-NA	FAZ-C1,5/3-NA
2	FAZ-C2/1-NA	FAZ-C2/2-NA	FAZ-C2/3-NA
3	FAZ-C3/1-NA	FAZ-C3/2-NA	FAZ-C3/3-NA
4	FAZ-C4/1-NA	FAZ-C4/2-NA	FAZ-C4/3-NA
5	FAZ-C5/1-NA	FAZ-C5/2-NA	FAZ-C5/3-NA
6	FAZ-C6/1-NA	FAZ-C6/2-NA	FAZ-C6/3-NA
7	FAZ-C7/1-NA	FAZ-C7/2-NA	FAZ-C7/3-NA
8	FAZ-C8/1-NA	FAZ-C8/2-NA	FAZ-C8/3-NA
10	FAZ-C10/1-NA	FAZ-C10/2-NA	FAZ-C10/3-NA
13	FAZ-C13/1-NA	FAZ-C13/2-NA	FAZ-C13/3-NA
15	FAZ-C15/1-NA	FAZ-C15/2-NA	FAZ-C15/3-NA
16	FAZ-C16/1-NA	FAZ-C16/2-NA	FAZ-C16/3-NA
20	FAZ-C20/1-NA	FAZ-C20/2-NA	FAZ-C20/3-NA
25	FAZ-C25/1-NA	FAZ-C25/2-NA	FAZ-C25/3-NA
30	FAZ-C30/1-NA	FAZ-C30/2-NA	FAZ-C30/3-NA
32	FAZ-C32/1-NA	FAZ-C32/2-NA	FAZ-C32/3-NA
35	FAZ-C35/1-NA	FAZ-C35/2-NA	FAZ-C35/3-NA
40	FAZ-C40/1-NA	FAZ-C40/2-NA	FAZ-C40/3-NA



See Trip Curve chart on page 11

- > UL Approved (UL489) and CSA Certified (CSA C22.2 No. 5-02) as Branch Circuit Breakers
- > Interrupting capacity: 10kA UL/CSA; 15kA IEC 60947
- > Trip characteristic D: Response time of instantaneous trip: 10 – 20 x  $I_n$  current rating
- > Current limiting device

**Type D Characteristics**

Suitable for applications where high levels of inrush current are expected. Instantaneous trip is 10 to 20 x rating of device ( $I_n$ ). The high magnetic trip point prevents nuisance tripping in high inductive applications such as motors, transformers, and power supplies.

**Trip Characteristic D – Designed for highly inductive loads**

Rated Current $I_n$ [A]	1 pole	2 poles	3 poles
			
	Catalog Number	Catalog Number	Catalog Number
0.5	FAZ-D0,5/1-NA	FAZ-D0,5/2-NA	FAZ-D0,5/3-NA
1	FAZ-D1/1-NA	FAZ-D1/2-NA	FAZ-D1/3-NA
1.5	FAZ-D1,5/1-NA	FAZ-D1,5/2-NA	FAZ-D1,5/3-NA
2	FAZ-D2/1-NA	FAZ-D2/2-NA	FAZ-D2/3-NA
3	FAZ-D3/1-NA	FAZ-D3/2-NA	FAZ-D3/3-NA
4	FAZ-D4/1-NA	FAZ-D4/2-NA	FAZ-D4/3-NA
5	FAZ-D5/1-NA	FAZ-D5/2-NA	FAZ-D5/3-NA
6	FAZ-D6/1-NA	FAZ-D6/2-NA	FAZ-D6/3-NA
7	FAZ-D7/1-NA	FAZ-D7/2-NA	FAZ-D7/3-NA
8	FAZ-D8/1-NA	FAZ-D8/2-NA	FAZ-D8/3-NA
10	FAZ-D10/1-NA	FAZ-D10/2-NA	FAZ-D10/3-NA
13	FAZ-D13/1-NA	FAZ-D13/2-NA	FAZ-D13/3-NA
15	FAZ-D15/1-NA	FAZ-D15/2-NA	FAZ-D15/3-NA
16	FAZ-D16/1-NA	FAZ-D16/2-NA	FAZ-D16/3-NA
20	FAZ-D20/1-NA	FAZ-D20/2-NA	FAZ-D20/3-NA
25	FAZ-D25/1-NA	FAZ-D25/2-NA	FAZ-D25/3-NA
30	FAZ-D30/1-NA	FAZ-D30/2-NA	FAZ-D30/3-NA
32	FAZ-D32/1-NA	FAZ-D32/2-NA	FAZ-D32/3-NA
35	FAZ-D35/1-NA	FAZ-D35/2-NA	FAZ-D35/3-NA
40	FAZ-D40/1-NA	FAZ-D40/2-NA	FAZ-D40/3-NA

See Trip Curve chart on page 11

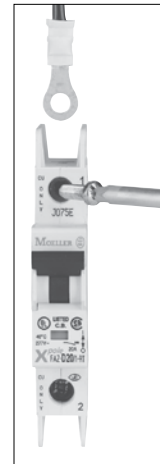
- > UL Approved (UL489) and CSA Certified (CSA C22.2 No. 5-02) as Branch Circuit Breakers
- > Connections for ring-tongue terminals
- > Trip characteristic C: Response time of instantaneous trip: 5 – 10 x  $I_n$  current rating
- > Interrupting capacity: 10kA UL/CSA; 15kA IEC 60947

**Type C Characteristics**

Suitable for applications where medium levels of inrush current are expected. Instantaneous trip is 5 to 10 x rating of device ( $I_n$ ). Applications include small transformers, lighting, pilot devices, control circuits, and coils. Medium magnetic trip point.

**Ring Tongue Trip Characteristic C – Designed for inductive loads**

Rated Current $I_n$ [A]	Ring Tongue 1 pole	Ring Tongue 2 poles	Ring Tongue 3 poles
	Catalog Number	Catalog Number	Catalog Number
0.5	FAZ-C0,5/1-RT	FAZ-C0,5/2-RT	FAZ-C0,5/3-RT
1	FAZ-C1/1-RT	FAZ-C1/2-RT	FAZ-C1/3-RT
1.5	FAZ-C1,5/1-RT	FAZ-C1,5/2-RT	FAZ-C1,5/3-RT
2	FAZ-C2/1-RT	FAZ-C2/2-RT	FAZ-C2/3-RT
3	FAZ-C3/1-RT	FAZ-C3/2-RT	FAZ-C3/3-RT
4	FAZ-C4/1-RT	FAZ-C4/2-RT	FAZ-C4/3-RT
5	FAZ-C5/1-RT	FAZ-C5/2-RT	FAZ-C5/3-RT
6	FAZ-C6/1-RT	FAZ-C6/2-RT	FAZ-C6/3-RT
7	FAZ-C7/1-RT	FAZ-C7/2-RT	FAZ-C7/3-RT
8	FAZ-C8/1-RT	FAZ-C8/2-RT	FAZ-C8/3-RT
10	FAZ-C10/1-RT	FAZ-C10/2-RT	FAZ-C10/3-RT
13	FAZ-C13/1-RT	FAZ-C13/2-RT	FAZ-C13/3-RT
15	FAZ-C15/1-RT	FAZ-C15/2-RT	FAZ-C15/3-RT
16	FAZ-C16/1-RT	FAZ-C16/2-RT	FAZ-C16/3-RT
20	FAZ-C20/1-RT	FAZ-C20/2-RT	FAZ-C20/3-RT
25	FAZ-C25/1-RT	FAZ-C25/2-RT	FAZ-C25/3-RT
30	FAZ-C30/1-RT	FAZ-C30/2-RT	FAZ-C30/3-RT
32	FAZ-C32/1-RT	FAZ-C32/2-RT	FAZ-C32/3-RT
35	FAZ-C35/1-RT	FAZ-C35/2-RT	FAZ-C35/3-RT
40	FAZ-C40/1-RT	FAZ-C40/2-RT	FAZ-C40/3-RT



All breakers on this page are equipped with terminals that accommodate ring-tongue connectors.

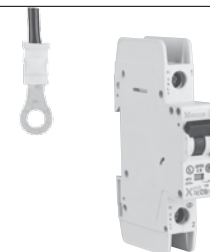

See Trip Curve chart on page 11

- > UL Approved (UL489) and CSA Certified (CSA C22.2 No. 5-02) as Branch Circuit Breakers
- > Connections for ring-tongue terminals
- > Trip characteristic D: Response time of instantaneous trip: 10 – 20 x  $I_n$  current rating
- > Interrupting capacity: 10kA UL/CSA; 15kA IEC 60947

**Type D Characteristics**

Suitable for applications where high levels of inrush current are expected. Instantaneous trip is 10 to 20 x rating of device ( $I_n$ ). The high magnetic trip point prevents nuisance tripping in high inductive applications such as motors, transformers, and power supplies.

**Ring Tongue Trip Characteristic D – Designed for highly inductive loads**


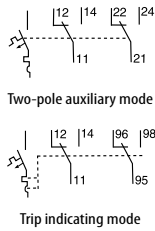

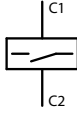

Rated Current $I_n$ [A]	Ring Tongue 1 pole	Ring Tongue 2 poles	Ring Tongue 3 poles
			
	<b>Catalog Number</b>	<b>Catalog Number</b>	<b>Catalog Number</b>
0.5	FAZ-D0,5/1-RT	FAZ-D0,5/2-RT	FAZ-D0,5/3-RT
1	FAZ-D1/1-RT	FAZ-D1/2-RT	FAZ-D1/3-RT
1.5	FAZ-D1,5/1-RT	FAZ-D1,5/2-RT	FAZ-D1,5/3-RT
2	FAZ-D2/1-RT	FAZ-D2/2-RT	FAZ-D2/3-RT
3	FAZ-D3/1-RT	FAZ-D3/2-RT	FAZ-D3/3-RT
4	FAZ-D4/1-RT	FAZ-D4/2-RT	FAZ-D4/3-RT
5	FAZ-D5/1-RT	FAZ-D5/2-RT	FAZ-D5/3-RT
6	FAZ-D6/1-RT	FAZ-D6/2-RT	FAZ-D6/3-RT
7	FAZ-D7/1-RT	FAZ-D7/2-RT	FAZ-D7/3-RT
8	FAZ-D8/1-RT	FAZ-D8/2-RT	FAZ-D8/3-RT
10	FAZ-D10/1-RT	FAZ-D10/2-RT	FAZ-D10/3-RT
13	FAZ-D13/1-RT	FAZ-D13/2-RT	FAZ-D13/3-RT
15	FAZ-D15/1-RT	FAZ-D15/2-RT	FAZ-D15/3-RT
16	FAZ-D16/1-RT	FAZ-D16/2-RT	FAZ-D16/3-RT
20	FAZ-D20/1-RT	FAZ-D20/2-RT	FAZ-D20/3-RT
25	FAZ-D25/1-RT	FAZ-D25/2-RT	FAZ-D25/3-RT
30	FAZ-D30/1-RT	FAZ-D30/2-RT	FAZ-D30/3-RT
32	FAZ-D32/1-RT	FAZ-D32/2-RT	FAZ-D32/3-RT
35	FAZ-D35/1-RT	FAZ-D35/2-RT	FAZ-D35/3-RT
40	FAZ-D40/1-RT	FAZ-D40/2-RT	FAZ-D40/3-RT



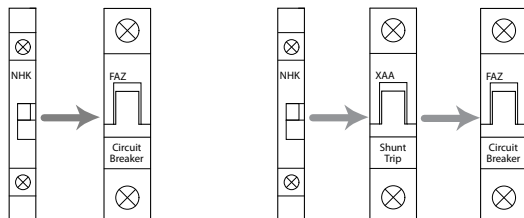
All breakers on this page are equipped with terminals that accommodate ring-tongue connectors.

See Trip Curve chart on page 11

**For all FAZ...NA and FAZ...RT Miniature Circuit Breakers**

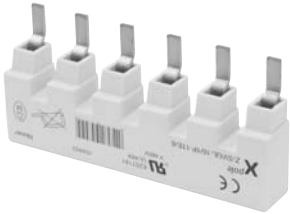
Accessory	Description	Circuit Diagram	Rated Operational Voltage	Catalog Number
<b>Auxiliary / Trip Indicating Contacts</b>				
	<ul style="list-style-type: none"> <li>• Small selector screw changes mode</li> <li>• Two Form C (changeover) contacts</li> <li>• Installs on left side of FAZ or Shunt Trip</li> <li>• Aux. contacts switch when FAZ is tripped electrically or manually</li> <li>• Trip indicating contact switches only when FAZ is tripped electrically</li> <li>• Test button for electrical tripping function</li> </ul>	 <p>Two-pole auxiliary mode</p> <p>Trip indicating mode</p>	230V AC	<b>Z-NHK ①</b>
<b>Shunt Trip</b>				
	<ul style="list-style-type: none"> <li>• Allows remote trip of FAZ</li> <li>• Installs on left side of FAZ</li> </ul>		110 – 415V AC	<b>FAZ-XAA-NA110-415VAC</b>
			12 – 110V AC	<b>FAZ-XAA-NA12-110VAC</b>
<b>Padlock Hasp</b>				
	<ul style="list-style-type: none"> <li>• Prevents reactivation of the device during maintenance</li> <li>• Holds one padlock</li> </ul>	—	—	<b>IS/SPE-1TE</b>

**Allowable combinations of accessories**




① Voltage of FAZ-...-NA circuit breaker is limited to 300V with this auxiliary contact installed.


**Bus Bar System**

Bus Bar	Number of Poles per Device	Number of Terminals Fixed Length	Rated Operational Current (A)	Description	Catalog Number
	1	6	80A	UL/CSA Max 480V AC, 50/60 HZ; 96V DC	Z-SV/UL-16/1P-1TE/6
		12			Z-SV/UL-16/1P-1TE/12
		18			Z-SV/UL-16/1P-1TE/18
	2	6	80A	UL/CSA Max 480V AC, 50/60 HZ; 96V DC	Z-SV/UL-16/2P-2TE/6
		12			Z-SV/UL-16/2P-2TE/12
		18			Z-SV/UL-16/2P-2TE/18
	3	6	80A	UL/CSA Max 480V AC, 50/60 HZ; 96V DC	Z-SV/UL-16/3P-3TE/6
		12			Z-SV/UL-16/3P-3TE/12
		18			Z-SV/UL-16/3P-3TE/18

**Terminal Shroud for unused bus bar terminals**

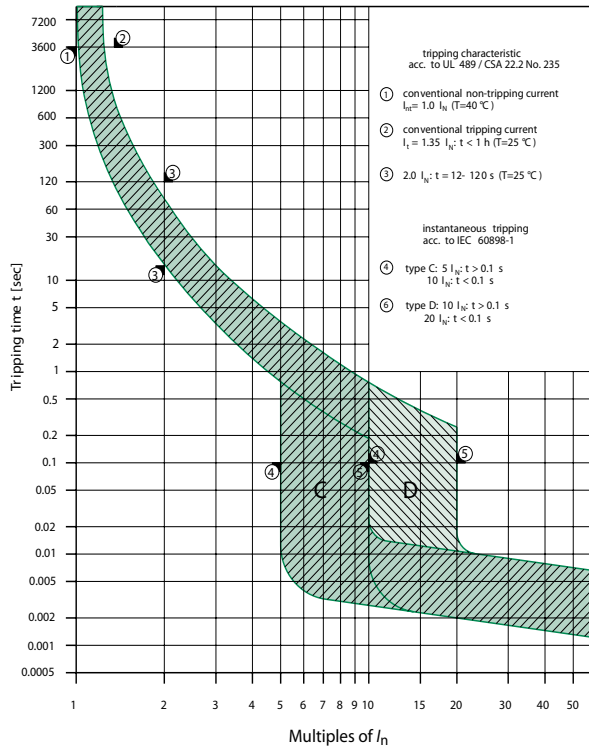
Shroud	Description	Catalog Number
	3-pole busbar cover	ZV-BS-UL

**Incoming Supply Terminal**

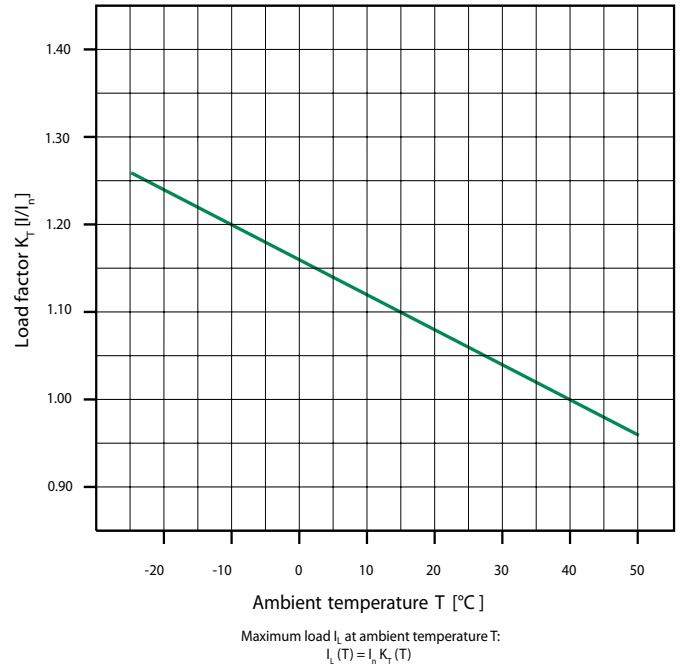
Terminal	Description	Catalog Number
	<p><b>Extension Terminal</b></p> <ul style="list-style-type: none"> <li>Accommodates conductors up to 25 mm<sup>2</sup> (2 – 14 AWG)</li> <li>Finger-safe connection</li> <li>Max 480V AC, 50/60 HZ; 96V DC @ 80A</li> </ul>	Z-EK/35/UL



**Tripping Characteristics**



**Influence of ambient temperature T on load carrying capacity**



**Power loss at  $I_n$**

**Characteristic C**

$I_n$ [A]	1p P[W]	2p P[W]	3p P[W]
0.5	1.6	3.2	4.7
1	1.1	2.2	3.4
1.5	1.3	2.6	3.9
2	1.4	2.8	4.3
3	1.2	2.4	3.6
4	1.4	2.9	4.3
5	1.9	3.7	5.6
6	1.2	2.3	3.5
7	1.4	2.8	4.3
8	1.4	2.8	4.2
10	1.8	3.6	5.3
13	2.4	4.7	7.1
15	1.9	3.8	5.6
16	2.1	4.3	6.4
20	2.9	5.8	8.7
25	3.1	6.2	9.3
30	3.0	6.0	9.0
32	3.4	6.8	10.2
35	3.7	7.4	11.0
40	4.0	8.1	12.1

**Characteristic D**

$I_n$ [A]	1p P[W]	2p P[W]	3p P[W]
0.5	1.6	3.2	4.8
1	0.8	1.5	2.3
1.5	1.0	2.1	3.1
2	1.0	2.1	3.1
3	1.2	2.4	3.6
4	1.4	2.9	4.3
5	1.5	2.9	4.4
6	1.2	2.3	3.5
7	1.4	2.8	4.3
8	1.2	2.4	3.7
10	1.5	3.0	4.5
13	2.0	4.1	6.1
15	1.5	3.1	4.6
16	1.7	3.5	5.2
20	1.8	3.7	5.5
25	2.6	5.1	7.7
30	2.7	5.4	8.1
32	3.1	6.2	9.3
35	3.8	7.6	11.3
40	3.9	7.8	11.6

**FAZ-NA, FAZ-RT Miniature Circuit Breakers**

<b>FAZ-NA, FAZ-RT</b>	
<b>Electrical</b>	
Design according to current test marks as printed onto the device	UL 489, CSA C22.2 No. 5, IEC 60947-2
Rated voltage - AC	
UL/CSA 0.5 – 25A	277/480V AC
UL/CSA 25 – 40A	240 V AC
IEC	240/415 V AC
Rated Voltage - DC	
UL/CSA - Single Pole	48 V DC
UL/CSA - Two Pole	96 V DC
Rated frequency	50/60 Hz
Rated breaking capacity - AC	
UL/CSA	10 kA
IEC	15 kA
Rated breaking capacity - DC	
UL/CSA	10 kA
Characteristic	C, D
Endurance	≥ 20,000 operating cycles
Line voltage connection	operational suitable for reverse feed
<b>Mechanical</b>	
Frame size	45 mm
Device height	105 mm
Device width	17.7 mm per pole
Mounting	quick fastening with 2 lock-in positions on DIN rail EN 50022
Upper and lower terminals	open mouth/lift terminals
Terminal capacity	1 Wire AWG 18-6 2 Wires AWG 18-10
Terminal fastening torque	1 Wire 21 lb-in 2 Wires 25 lb-in
Mounting	independent of position
Calibration temperature	
UL 489, CSA C22.2 No. 5	40° C
IEC 60947-2	30° C

**Selectable Aux Contact / Trip Indicating Contact – Z-NHK**

		Z-NHK
<b>Electrical</b>		
Can be mounted from the left onto:		FAZ-NA, FAZ-RT, FAZ-XAA-NA
Contact function		2 changeover contacts (self cleaning)
Rated voltage	[V]	230
Rated frequency	[Hz]	50/60
Rated current	[A]	2
Rated thermal current $I_{th}$	[A]	2
Utilization category AC13		
Rated operational current $I_e$	[A]	3 / 250V AC
Utilization category AC15		
Rated operational current $I_e$	[A]	2 / 250V AC
Utilization category DC12		
Rated operational current $I_e$	[A]	0.5 / 110V DC
Rated insulation voltage $U_i$	[VAC]	250
Minimum operational voltage per contact $U_{min}$	[VDC]	5
Minimum operational current $I_{min}$	[mA]	10 mA DC
Rated peak withstand voltage $U_{imp}$ (1.2/50 $\mu$ )	[kV]	2.5
Conditional short-circuit current $I_k$ with back-up fuse 6A	[kA]	1 kA
Max. back-up fuse, overload and short-circuit		6A gL
<b>Mechanical</b>		
Tripping indicator "electrical tripping"		blue/white
Frame size		45 mm
Device height		80 mm
Device width		8.8 mm (0.5MU)
Mounting		Snaps on to side of MCB
Degree of protection, built-in		IP40
Terminal protection		finger and hand-touch safe according to BGV A3, ÖVE-EN 6
Terminals		lift terminals
Terminal capacity		18-14 AWG
Terminal screws		M3 (PoziDrive Z0)
Fastening torque of terminal screws		7 lb-in

## Shunt Trip Release FAZ-XAA-NA

	FAZ-XAA-NA12-110VAC	FAZ-XAA-NA110-415VAC
<b>Electrical</b>		
Can be mounted onto	FAZ-NA, FAZ-RT	FAZ-NA, FAZ-RT
Operational voltage range	12-110V AC 12-60V DC	110-415V AC 110-230V DC
Frequency	50/60 Hz	50/60 Hz
Possible standard auxiliary switch	Z-NHK	Z-NHK
<b>Mechanical</b>		
Frame size	45 mm	45 mm
Device height	105 mm	105 mm
Device width	17.5 mm (1MU)	17.5 mm (1MJ)
Mounting	quick fastening with 2 lock-in positions on DIN rail EN 50022	quick fastening with 2 lock-in positions on DIN rail EN 50022
Degree of protection, built-in	IP40	IP40
Terminal protection	finger and hand-touch safe according to BGV A3, ÖVE-EN 6	finger and hand-touch safe according to BGV A3, ÖVE-EN 6
Terminals	box/lift	box/lift
Terminal capacity 1 and 2 wires	AWG 18-10	AWG 18-10

## Bus Bar

	Z-SV/UL-16...
<b>Electrical</b>	
Rated voltage	690V
Rated current	80A
Short-circuit strength	< 25 kA
Overvoltage category	III
Impulse voltage strength	≥ 9.5 kV
<b>Mechanical</b>	
Bus bar cross-section	16 mm <sup>2</sup> Cu
Step distance	17.6 mm
Climatic stability	according to DIN EN 60068
Flame class according to UL	V0/0.4 mm
Pollution degree	2