



Xpole Industrial

Feeder and Branch Circuit Breaker

For More Information Contact K W Sales: Overland Park KS 913-383-2650 or Wildwood, MO 636-821-1058



Xpole Industrial, the logical continuation of the development of installation products for industrial applications. From protective switches to modular installation devices to surge protection, everything matches, and the complete range combines all the benefits.



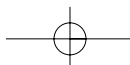
Xpole Industrial

Product Information

Feeder and Branch Circuit Breaker
 FAZ-NA
 FAZ-RT (Ring Tonque Connection)



We keep power under control.



Optimum and Efficient Protection for Every Application



10 kA | UL 489, C22.2 No.5

15 kA | IEC 60947-2

When it comes to protection and switching, industries in many countries rely on Moeller products.

Optimum product quality, tested reliability and safety stand for best protection of personnel, installations and plant. Approvals in many countries confirm Moeller builds its products to comply with the latest national and international Regulations.

Powerful offering for machine and system builders

The *Xpole* Industrial FAZ-NA, FAZ-RT is available with C and D characteristic in accordance with UL 489, CSA C22.2 No.5; UL 1077, CSA C22.2 No.235 and IEC 60947-2

Typical Applications

Feeder and Branch Circuit Protection

- Convenience receptacle circuits (internal/external)
- Motors (internal/external)
- Load circuits leaving the equipment (external)
- HACR Equipment (Heating, Air Conditioning, Refrigeration) (internal/external)

Supplementary Protection FAZ, FAZ-NA and FAZ-RT

- Additional protection for: sensitive equipment, electronic components (e.g. computers)
- Motor control circuits without transformers

Features

- Current limiting
- SWD (switching duty) – suitable for switching fluorescent lighting loads ($I_n \leq 20$ A)
- Fulfill UL 489, CSA C22.2 No. 5 and also IEC 60947-2 Standard
- For use in application for which UL 1077 or CSA C22.2 No.235 are also allowed
- Shunt trip release and auxiliary switch for subsequent mounting
- Separate Version for Ring Tonque Connection (Type FAZ-....-RT), terminal screws can be removed (on both sides)
- Module width of only 17,7 mm (per pole)
- Contact Position Indicator (red/green)
- Easy installation on DIN rail
- Possibility for sealing the toggle in on- or off-position



Captive screws cannot be lost

FAZ-NA



FAZ-RT



FAZ-RT



FAZ complies with the latest national and international Standards

Standards – Feeder and Branch Circuit Protection

- **UL 489**

Standard for molded case circuit breakers (MCCB) for feeder and branch circuit protection.

Products meet the requirements of the National Electrical Code (NEC).



- **CSA C22.2 No.5**

Standard for molded case circuit breakers (MCCB) for feeder and branch circuit protection (corresponds closely to UL 489 Standard).

Products meet the requirements of the Canadian Electrical Code (CEC)



Standards – Supplementary Protection

- **UL 1077**

Standard for molded case circuit breakers (MCCB) for supplementary protection of sensitive electronic equipment or equipment that requires unique or specific overcurrent protection.

Products meet the requirements of the National Electrical Code (NEC).



- **CSA C22.2 No.235**

Equivalent to the UL 1077 Standard.

Products meet the requirements of the Canadian Electrical Code (CEC).





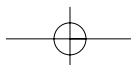
Device Printing on front and side

The diagram illustrates the front and side views of a circuit breaker, with various technical specifications and labels. The front view shows the following information:

- Type Designation:** FAZ-C20/1-NA
- Origin:** Made in Spain
- Standard:** EN/IEC 60947-2
- Rated Voltage IEC/EN:** 240/415V~ 50/60Hz
- Rated Breaking Capacity IEC/EN:** Icu=15kA Ics=7,5kA
- Reference Calibration Temperature:** Ref. 30°C
- Rated Impulse Withstand Voltage:** Uimp = 4kV
- Utilisation Category:** Cat. A
- German Approval Mark:** DVE
- Suitable for 60/75°C wire**
- Length of uninsulated conductor:** 12 mm / 0.5 in
- Rated Voltage UL/CSA:** 277V~
- Heating, Air Conditioning, Refrigeration (HACR):** SWD
- Current Limiting:** INT. RATING 10kA, 45 kA²s, 6.2 kA peak
- AWG TORQUE:**
 - 18-12: 21 lb-in 1 WIRE AWG 18-6
 - 10-8: 25 lb-in 2 WIRES AWG 18-10
 - 6: 36 lb-in
- UL/CSA Markings:** LISTED E235139, DISJ.
- Issue No.:** AB-5430
- 1 POLE UNIT**
- Terminal Capacity:** XXXXXX1
- EAN-Code:** 23456X

The side view shows the following information:

- Cu-conductors only**
- Calibration Temperature acc. UL/CSA:** 40°C
- Rated Voltage UL/CSA:** 277V~
- Suitable for Insulation**
- Rated Current:** 15A





FAZ-NA

Miniature Circuit Breakers FAZ-NA
10 kA UL/CSA; 15 kA IEC 60947, Characteristic C

SG11805



Rated current I _n (A)	Type Designation	Article No.	Units per package
1-pole			
0.5	FAZ-C0,5/1-NA	102077	1
1	FAZ-C1/1-NA	102078	1
1.5	FAZ-C1,5/1-NA	102079	1
2	FAZ-C2/1-NA	102080	1
3	FAZ-C3/1-NA	102081	1
4	FAZ-C4/1-NA	102082	1
5	FAZ-C5/1-NA	102083	1
6	FAZ-C6/1-NA	102084	1
7	FAZ-C7/1-NA	102085	1
8	FAZ-C8/1-NA	102086	1
10	FAZ-C10/1-NA	102087	1
13	FAZ-C13/1-NA	102088	1
15	FAZ-C15/1-NA	102089	1
16	FAZ-C16/1-NA	102090	1
20	FAZ-C20/1-NA	102091	1
25	FAZ-C25/1-NA	102092	1
30	FAZ-C30/1-NA	102093	1
32	FAZ-C32/1-NA	102094	1
35	FAZ-C35/1-NA	102095	1
40	FAZ-C40/1-NA	102096	1

SG12105

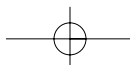
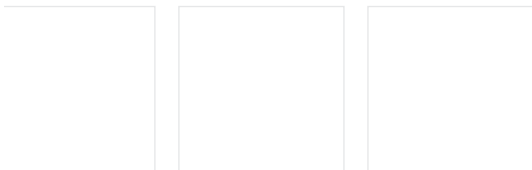


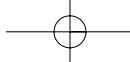
2-pole			
0.5	FAZ-C0,5/2-NA	102157	1
1	FAZ-C1/2-NA	102158	1
1.5	FAZ-C1,5/2-NA	102159	1
2	FAZ-C2/2-NA	102160	1
3	FAZ-C3/2-NA	102161	1
4	FAZ-C4/2-NA	102162	1
5	FAZ-C5/2-NA	102163	1
6	FAZ-C6/2-NA	102164	1
7	FAZ-C7/2-NA	102165	1
8	FAZ-C8/2-NA	102166	1
10	FAZ-C10/2-NA	102167	1
13	FAZ-C13/2-NA	102168	1
15	FAZ-C15/2-NA	102169	1
16	FAZ-C16/2-NA	102170	1
20	FAZ-C20/2-NA	102171	1
25	FAZ-C25/2-NA	102172	1
30	FAZ-C30/2-NA	102173	1
32	FAZ-C32/2-NA	102174	1
35	FAZ-C35/2-NA	102175	1
40	FAZ-C40/2-NA	102176	1

SG12205



3-pole			
0.5	FAZ-C0,5/3-NA	102237	1
1	FAZ-C1/3-NA	102238	1
1.5	FAZ-C1,5/3-NA	102239	1
2	FAZ-C2/3-NA	102240	1
3	FAZ-C3/3-NA	102241	1
4	FAZ-C4/3-NA	102242	1
5	FAZ-C5/3-NA	102243	1
6	FAZ-C6/3-NA	102244	1
7	FAZ-C7/3-NA	102245	1
8	FAZ-C8/3-NA	102246	1
10	FAZ-C10/3-NA	102247	1
13	FAZ-C13/3-NA	102248	1
15	FAZ-C15/3-NA	102249	1
16	FAZ-C16/3-NA	102250	1
20	FAZ-C20/3-NA	102251	1
25	FAZ-C25/3-NA	102252	1
30	FAZ-C30/3-NA	102253	1
32	FAZ-C32/3-NA	102254	1
35	FAZ-C35/3-NA	102255	1
40	FAZ-C40/3-NA	102256	1





Miniature Circuit Breakers FAZ-NA

10 kA UL/CSA; 15 kA IEC 60947, Characteristic D

SG11805



Rated current I_n (A)	Type Designation	Article No.	Units per package
1-pole			
0.5	FAZ-D0,5/1-NA	102097	1
1	FAZ-D1/1-NA	102098	1
1.5	FAZ-D1,5/1-NA	102099	1
2	FAZ-D2/1-NA	102100	1
3	FAZ-D3/1-NA	102101	1
4	FAZ-D4/1-NA	102102	1
5	FAZ-D5/1-NA	102103	1
6	FAZ-D6/1-NA	102104	1
7	FAZ-D7/1-NA	102105	1
8	FAZ-D8/1-NA	102106	1
10	FAZ-D10/1-NA	102107	1
13	FAZ-D13/1-NA	102108	1
15	FAZ-D15/1-NA	102109	1
16	FAZ-D16/1-NA	102110	1
20	FAZ-D20/1-NA	102111	1
25	FAZ-D25/1-NA	102112	1
30	FAZ-D30/1-NA	102113	1
32	FAZ-D32/1-NA	102114	1
35	FAZ-D35/1-NA	102115	1
40	FAZ-D40/1-NA	102116	1

SG12105

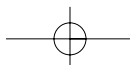


2-pole			
0.5	FAZ-D0,5/2-NA	102177	1
1	FAZ-D1/2-NA	102178	1
1.5	FAZ-D1,5/2-NA	102179	1
2	FAZ-D2/2-NA	102180	1
3	FAZ-D3/2-NA	102181	1
4	FAZ-D4/2-NA	102182	1
5	FAZ-D5/2-NA	102183	1
6	FAZ-D6/2-NA	102184	1
7	FAZ-D7/2-NA	102185	1
8	FAZ-D8/2-NA	102186	1
10	FAZ-D10/2-NA	102187	1
13	FAZ-D13/2-NA	102188	1
15	FAZ-D15/2-NA	102189	1
16	FAZ-D16/2-NA	102190	1
20	FAZ-D20/2-NA	102191	1
25	FAZ-D25/2-NA	102192	1
30	FAZ-D30/2-NA	102193	1
32	FAZ-D32/2-NA	102194	1
35	FAZ-D35/2-NA	102195	1
40	FAZ-D40/2-NA	102196	1

SG12205



3-pole			
0.5	FAZ-D0,5/3-NA	102257	1
1	FAZ-D1/3-NA	102258	1
1.5	FAZ-D1,5/3-NA	102259	1
2	FAZ-D2/3-NA	102260	1
3	FAZ-D3/3-NA	102261	1
4	FAZ-D4/3-NA	102262	1
5	FAZ-D5/3-NA	102263	1
6	FAZ-D6/3-NA	102264	1
7	FAZ-D7/3-NA	102265	1
8	FAZ-D8/3-NA	102266	1
10	FAZ-D10/3-NA	102267	1
13	FAZ-D13/3-NA	102268	1
15	FAZ-D15/3-NA	102269	1
16	FAZ-D16/3-NA	102270	1
20	FAZ-D20/3-NA	102271	1
25	FAZ-D25/3-NA	102272	1
30	FAZ-D30/3-NA	102273	1
32	FAZ-D32/3-NA	102274	1
35	FAZ-D35/3-NA	102275	1
40	FAZ-D40/3-NA	102276	1





FAZ-RT (with Ring Tongue Connection)

SG11905



SG12005

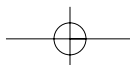


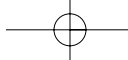
SG12305



Miniature Circuit Breakers FAZ-RT
10 kA UL/CSA; 15 kA IEC 60947, Characteristic C

Rated current I _n (A)	Type Designation	Article No.	Units per package
1-pole			
0.5	FAZ-C0,5/1-RT	102117	1
1	FAZ-C1/1-RT	102118	1
1.5	FAZ-C1,5/1-RT	102119	1
2	FAZ-C2/1-RT	102120	1
3	FAZ-C3/1-RT	102121	1
4	FAZ-C4/1-RT	102122	1
5	FAZ-C5/1-RT	102123	1
6	FAZ-C6/1-RT	102124	1
7	FAZ-C7/1-RT	102125	1
8	FAZ-C8/1-RT	102126	1
10	FAZ-C10/1-RT	102127	1
13	FAZ-C13/1-RT	102128	1
15	FAZ-C15/1-RT	102129	1
16	FAZ-C16/1-RT	102130	1
20	FAZ-C20/1-RT	102131	1
25	FAZ-C25/1-RT	102132	1
30	FAZ-C30/1-RT	102133	1
32	FAZ-C32/1-RT	102134	1
35	FAZ-C35/1-RT	102135	1
40	FAZ-C40/1-RT	102136	1
2-pole			
0.5	FAZ-C0,5/2-RT	102197	1
1	FAZ-C1/2-RT	102198	1
1.5	FAZ-C1,5/2-RT	102199	1
2	FAZ-C2/2-RT	102200	1
3	FAZ-C3/2-RT	102201	1
4	FAZ-C4/2-RT	102202	1
5	FAZ-C5/2-RT	102203	1
6	FAZ-C6/2-RT	102204	1
7	FAZ-C7/2-RT	102205	1
8	FAZ-C8/2-RT	102206	1
10	FAZ-C10/2-RT	102207	1
13	FAZ-C13/2-RT	102208	1
15	FAZ-C15/2-RT	102209	1
16	FAZ-C16/2-RT	102210	1
20	FAZ-C20/2-RT	102211	1
25	FAZ-C25/2-RT	102212	1
30	FAZ-C30/2-RT	102213	1
32	FAZ-C32/2-RT	102214	1
35	FAZ-C35/2-RT	102215	1
40	FAZ-C40/2-RT	102216	1
3-pole			
0.5	FAZ-C0,5/3-RT	102277	1
1	FAZ-C1/3-RT	102278	1
1.5	FAZ-C1,5/3-RT	102279	1
2	FAZ-C2/3-RT	102280	1
3	FAZ-C3/3-RT	102281	1
4	FAZ-C4/3-RT	102282	1
5	FAZ-C5/3-RT	102283	1
6	FAZ-C6/3-RT	102284	1
7	FAZ-C7/3-RT	102285	1
8	FAZ-C8/3-RT	102286	1
10	FAZ-C10/3-RT	102287	1
13	FAZ-C13/3-RT	102288	1
15	FAZ-C15/3-RT	102289	1
16	FAZ-C16/3-RT	102290	1
20	FAZ-C20/3-RT	102291	1
25	FAZ-C25/3-RT	102292	1
30	FAZ-C30/3-RT	102293	1
32	FAZ-C32/3-RT	102294	1
35	FAZ-C35/3-RT	102295	1
40	FAZ-C40/3-RT	102296	1





Miniature Circuit Breakers FAZ-RT

10 kA UL/CSA; 15 kA IEC 60947, Characteristic D

SG11905



Rated current I_n (A)	Type Designation	Article No.	Units per package
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1-pole

0.5	FAZ-D0,5/1-RT	102137	1
1	FAZ-D1/1-RT	102138	1
1.5	FAZ-D1,5/1-RT	102139	1
2	FAZ-D2/1-RT	102140	1
3	FAZ-D3/1-RT	102141	1
4	FAZ-D4/1-RT	102142	1
5	FAZ-D5/1-RT	102143	1
6	FAZ-D6/1-RT	102144	1
7	FAZ-D7/1-RT	102145	1
8	FAZ-D8/1-RT	102146	1
10	FAZ-D10/1-RT	102147	1
13	FAZ-D13/1-RT	102148	1
15	FAZ-D15/1-RT	102149	1
16	FAZ-D16/1-RT	102150	1
20	FAZ-D20/1-RT	102151	1
25	FAZ-D25/1-RT	102152	1
30	FAZ-D30/1-RT	102153	1
32	FAZ-D32/1-RT	102154	1
35	FAZ-D35/1-RT	102155	1
40	FAZ-D40/1-RT	102156	1

SG12005



2-pole

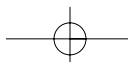
0.5	FAZ-D0,5/2-RT	102217	1
1	FAZ-D1/2-RT	102218	1
1.5	FAZ-D1,5/2-RT	102219	1
2	FAZ-D2/2-RT	102220	1
3	FAZ-D3/2-RT	102221	1
4	FAZ-D4/2-RT	102222	1
5	FAZ-D5/2-RT	102223	1
6	FAZ-D6/2-RT	102224	1
7	FAZ-D7/2-RT	102225	1
8	FAZ-D8/2-RT	102226	1
10	FAZ-D10/2-RT	102227	1
13	FAZ-D13/2-RT	102228	1
15	FAZ-D15/2-RT	102229	1
16	FAZ-D16/2-RT	102230	1
20	FAZ-D20/2-RT	102231	1
25	FAZ-D25/2-RT	102232	1
30	FAZ-D30/2-RT	102233	1
32	FAZ-D32/2-RT	102234	1
35	FAZ-D35/2-RT	102235	1
40	FAZ-D40/2-RT	102236	1

SG12305



3-pole

0.5	FAZ-D0,5/3-RT	102297	1
1	FAZ-D1/3-RT	102298	1
1.5	FAZ-D1,5/3-RT	102299	1
2	FAZ-D2/3-RT	102300	1
3	FAZ-D3/3-RT	102301	1
4	FAZ-D4/3-RT	102302	1
5	FAZ-D5/3-RT	102303	1
6	FAZ-D6/3-RT	102304	1
7	FAZ-D7/3-RT	102305	1
8	FAZ-D8/3-RT	102306	1
10	FAZ-D10/3-RT	102307	1
13	FAZ-D13/3-RT	102308	1
15	FAZ-D15/3-RT	102309	1
16	FAZ-D16/3-RT	102310	1
20	FAZ-D20/3-RT	102311	1
25	FAZ-D25/3-RT	102312	1
30	FAZ-D30/3-RT	102313	1
32	FAZ-D32/3-RT	102314	1
35	FAZ-D35/3-RT	102315	1
40	FAZ-D40/3-RT	102316	1

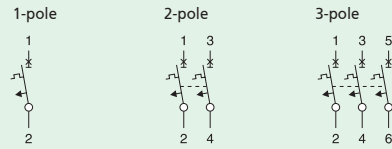


Miniature Circuit Breakers FAZ-NA, FAZ-RT

Accessories:

Tripping signal switch for subsequent installation	Z-NHK
Shunt trip release	FAZ-XAA-NA
Busbar-System	Z-SV/UL-16/

Connection diagrams



Technical Data

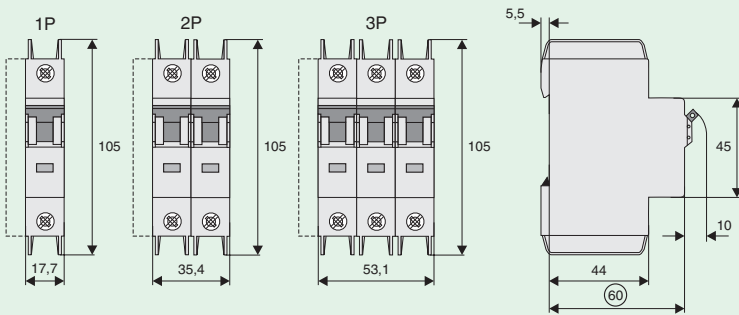
Electrical

Design according to	UL 489, CSA C22.2 No.5, IEC 60947-2
Current test marks as printed onto the device	
Rated voltage	UL/CSA 0.5 - 20 A 277/480Y VAC UL/CSA 25 - 40 A 240 VAC IEC 240/415 VAC
Rated frequency	50/60 Hz
Rated breaking capacity	UL/CSA 10 kA IEC 15 kA
Characteristic	C, D
Endurance	≥ 20,000 operating cycles
Line voltage connection	optional suitable for reverse feed

Mechanical

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

Dimensions (mm)



Power loss at I_n

Characteristic C

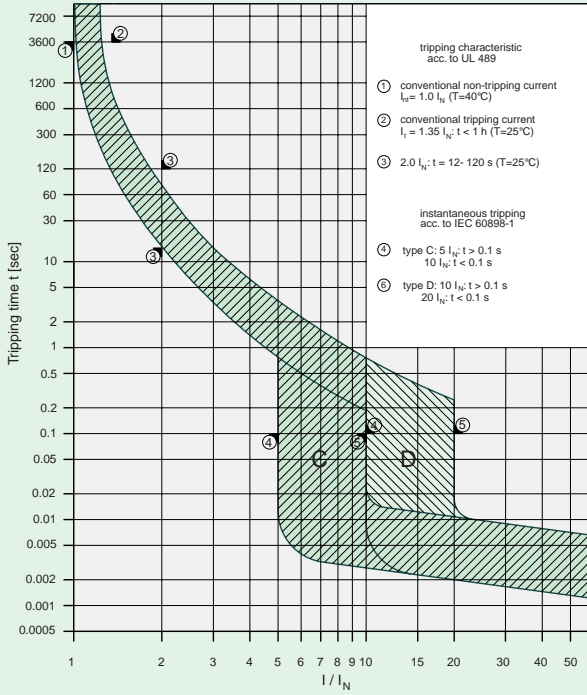
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I_n [A]	P [W]	P [W]	P [W]
0.5	1.6	3.2	4.7
1	1.1	2.2	3.4
1.5	1.3	2.6	3.9
2	1.4	2.8	4.3
3	1.2	2.4	3.6
4	1.4	2.9	4.3
5	1.9	3.7	5.6
6	1.2	2.3	3.5
7	1.4	2.8	4.3
8	1.4	2.8	4.2
10	1.8	3.6	5.3
13	2.4	4.7	7.1
15	1.9	3.8	5.6
16	2.1	4.3	6.4
20	2.9	5.8	8.7
25	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

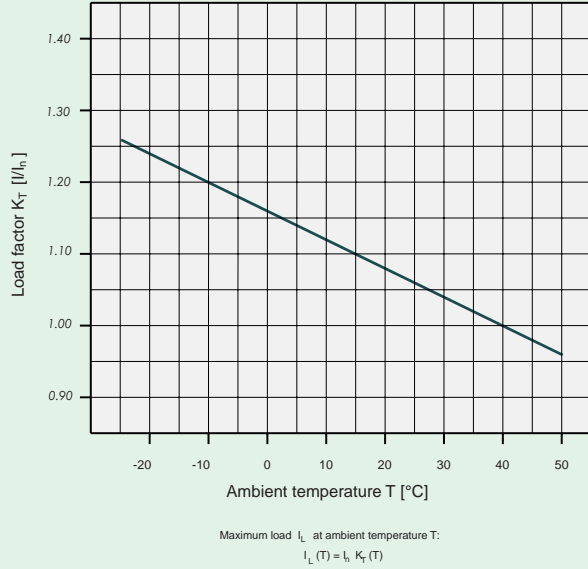
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I_n [A]	P [W]	P [W]	P [W]
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1	0.8	1.5	2.3
1.5	1.0	2.1	3.1
2	1.0	2.1	3.1
3	1.2	2.4	3.6
4	1.4	2.9	4.3
5	1.5	2.9	4.4
6	1.2	2.3	3.5
7	1.4	2.8	4.3
8	1.2	2.4	3.7
10	1.5	3.0	4.5
13	2.0	4.1	6.1
15	1.5	3.1	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



Tripping Characteristics

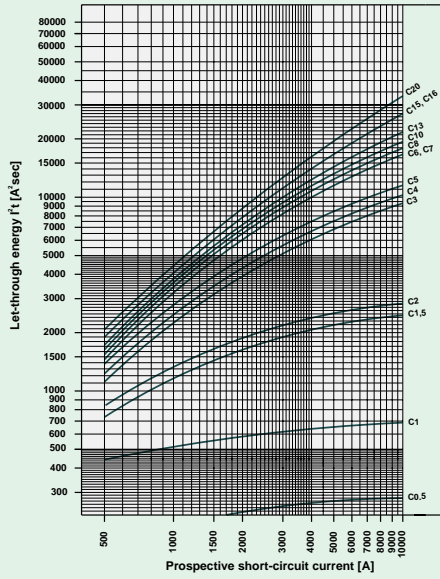


Influence of ambient temperature T on load carrying capacity

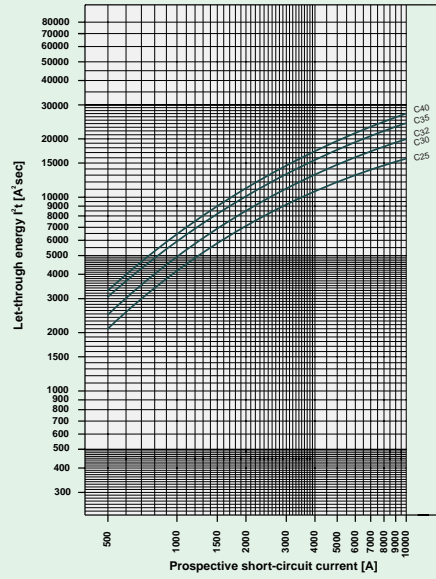


Let-through Energy

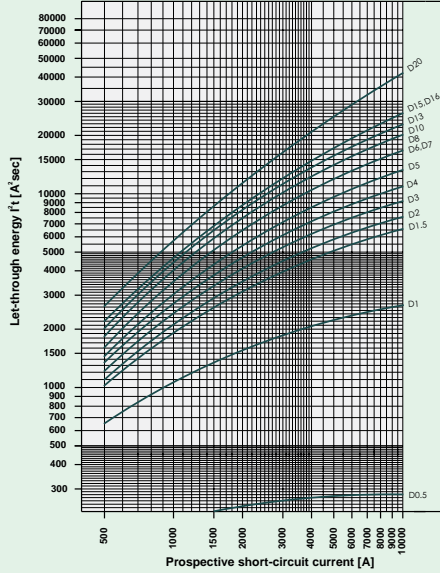
Characteristic C (0.5-20A), 277V



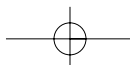
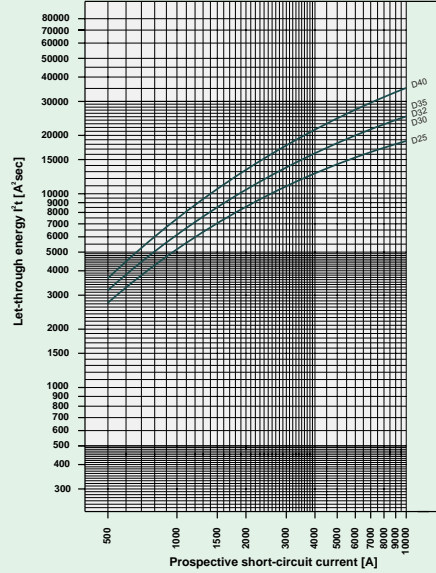
Characteristic C (25-40A), 240V



Characteristic D (0.5-20A), 277V



Characteristic D (25-40A), 240V





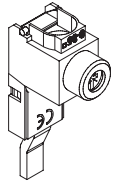
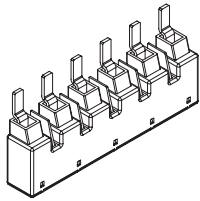
Accessories

Accessories

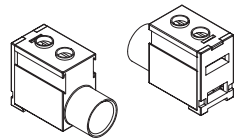
SG12002



	Type Designation	Article No.	Units per package
Tripping signal switch	Z-NHK	248434	4 / 120
Shunt trip release 110-415VAC	FAZ-XAA-NA110-415VAC	102036	1
Shunt trip release 12-110VAC	FAZ-XAA-NA12-110VAC	102037	1



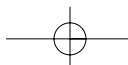
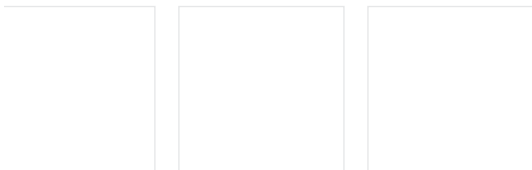
Z-EK/35/UL



Z-EK/50/UL

Busbar 1-phase 6MU	Z-SV/UL-16/1P-1TE/6	in preparation
Busbar 1-phase 12MU	Z-SV/UL-16/1P-1TE/12	in preparation
Busbar 1-phase 18MU	Z-SV/UL-16/1P-1TE/18	in preparation
Busbar 2-phases 6MU	Z-SV/UL-16/2P-2TE/6	in preparation
Busbar 2-phases 12MU	Z-SV/UL-16/2P-2TE/12	in preparation
Busbar 2-phases 18MU	Z-SV/UL-16/2P-2TE/18	in preparation
Busbar 3-phases 6MU	Z-SV/UL-16/3P-3TE/6	in preparation
Busbar 3-phases 12MU	Z-SV/UL-16/3P-3TE/12	in preparation
Busbar 3-phases 18MU	Z-SV/UL-16/3P-3TE/18	in preparation
Extension terminal 35 mm ²	Z-EK/35/UL	in preparation
Extension terminal 50 mm ²	Z-EK/50/UL	in preparation

Lockout attachment without lock	IS/SPE-1TE	101911	5 / 30
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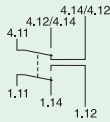


Tripping Signal Switch Z-NHK

- Design according to IEC/EN 60947-5-1, IEC/EN 62019
- Can be mounted subsequently (screws)
- The specified minimum voltages are per contact
Take into account particularly in case of series connection!
- Contact function with relative movement (self-cleaning contacts)
- Contact material and design particularly suitable for extra low voltage
- The function of one of the two change-over contacts can be switched from "auxiliary switch" to "tripping signal switch"

- Tripping signal contact transmits message of electric tripping, not mechanical switch-off
- Test key for contact function "electrical tripping"

Connection diagram



Technical Data

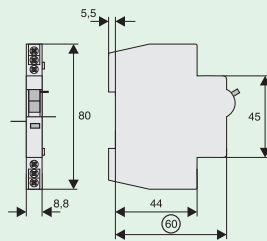
Electrical

Can be mounted from the left onto	FAZ-NA, FAZ-RT, FAZ-XAA-NA
Contact function	2CO
Rated voltage	230 V
Frequency	50/60 Hz
Rated current	2 A
Rated thermal current I_{th}	2 A
Utilisation category AC13	
Rated operational current I_e	3A/250V AC
Utilisation category AC15	
Rated operational current I_e	2A/250V AC
Utilisation category DC12	
Rated operational current I_e	0.5A/110V DC
Rated insulation voltage U_i	250 V AC
Minimum operational voltage per contact U_{min}	5 V DC
Minimum operational current I_{min}	10 mA DC
Rated peak withstand voltage U_{imp} (1.2/50µ)	2.5 kV
Conditional short circuit current I_k	
with back-up fuse 6A	1 kA
Max. back-up fuse, overload and short circuit	6 A gL

Mechanical

Tripping indicator "electrical tripping"	blue/white
Frame size	45 mm
Device height	80 mm
Device width	8.8 mm (0.5MU)
Mounting	onto switching dev.
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

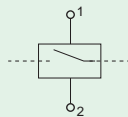
The voltage of the FAZ-... Circuit Breaker is limited to 300 V with this Auxiliary Switch installed.



Shunt Trip Release FAZ-XAA-NA

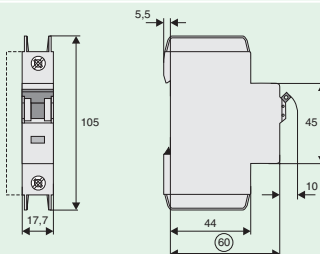
- Remote release for subsequent mounting onto FAZ-NA and FAZ-RT
- Module width 1MU
- Additional installation of standard auxiliary switch is possible
- Position indicator red - green

Connection diagram



Technical Data

	FAZ-XAA-NA12-110VAC	FAZ-XAA-NA110-415VAC
Electrical		
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
Mechanical		
Frame size	45 mm	45 mm
Device height	105 mm	105 mm
Device width	17.5 mm (1MU)	17.5 mm (1MU)
Mounting	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	
Terminals	open mouthed/lift	open mouthed/lift
Terminal capacity 1 and 2 Wires	AWG 18-10	AWG 18-10



Busbar System

Technical Data Busbar

- Design approved to UL 489

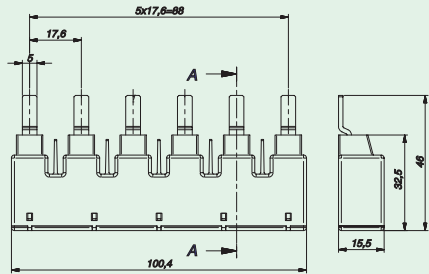
Electrical

Rated voltage	690 V
Rated current	80 A
Short circuit strength	< 25 kA
Oversvoltage category	III
Impulse voltage strength	≥ 9.5 kV

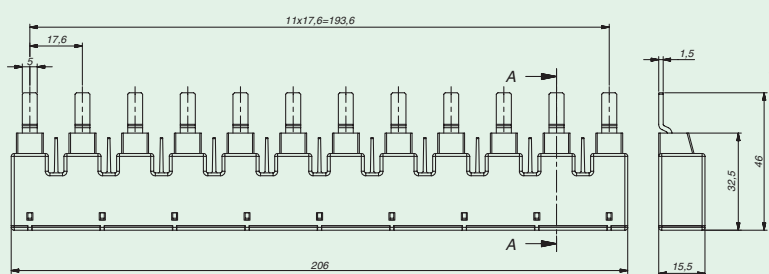
Mechanical

Busbar cross section	16 mm ² Cu
Step distance	17.6 mm
Climatic stability	acc. to DIN EN 60068
Flame class acc. to UL	V0/0.4 mm
Pollution degree	2

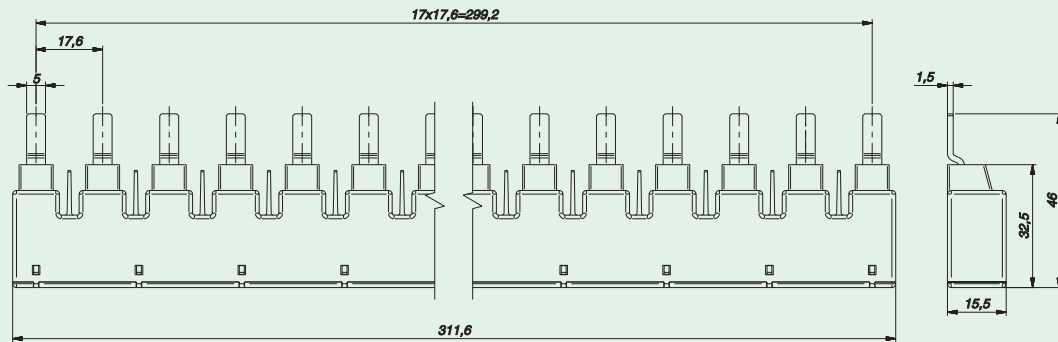
Z-SV/UL-16/P.-TE/6



Z-SV/UL-16/P.-TE/12

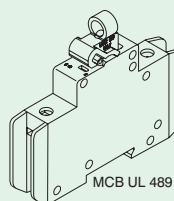
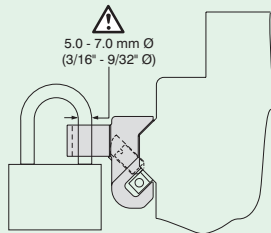
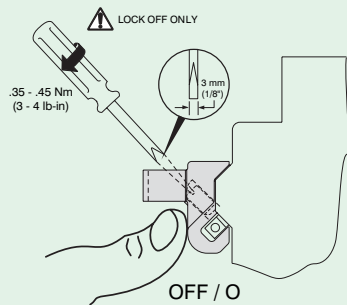


Z-SV/UL-16/P.-TE/18



Lockout Attachment

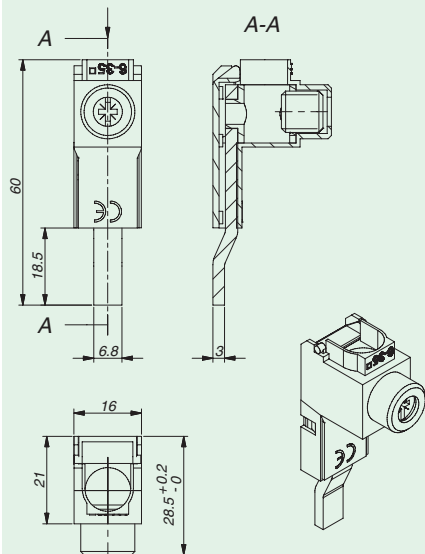
IS/SPE-1TE



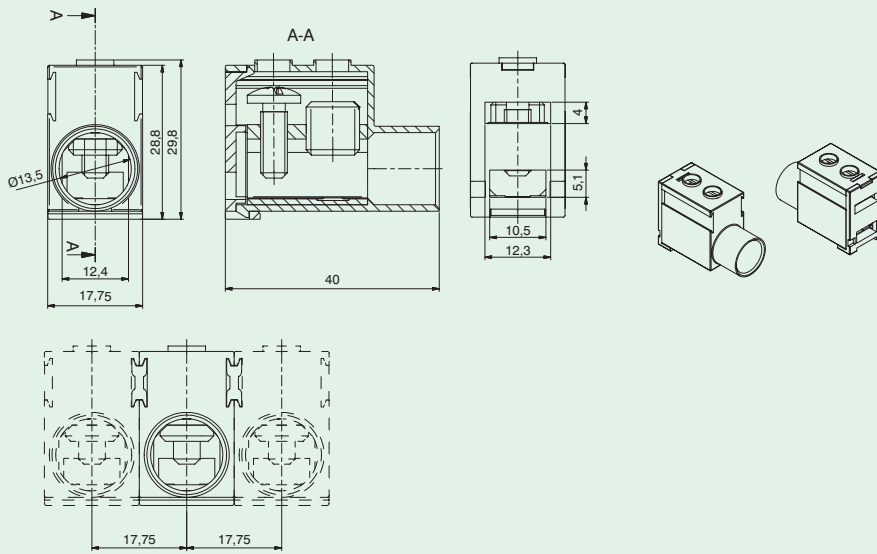


Extension Terminal

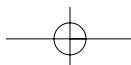
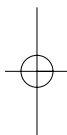
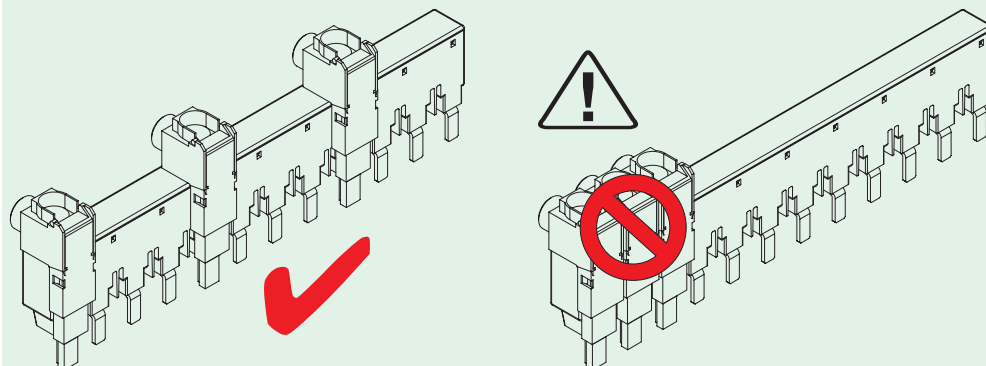
Z-EK/35/UL



Z-EK/50/UL



Attention! Only for Z-EK/35/UL

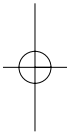




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