*X*pole Industrial
Feeder and Branch Circuit Breaker



*X*pole

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.

*X*board

*X*comfort

*X*patch

*X*clever home

*X*pole Industrial
Product Information

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

MOELLER

We keep power under control.

Optimum and Efficient Protection for Every Application

10 kA UL 489, C22.2 No.5.1

15 kA IEC 60947-2

When it comes to protection and switching, industry in many countries relies 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 builts 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.5.1; 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. 5.1 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

Screw not to 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.5.1**

  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 elctronic equipment or equipment that requires unique or specific overcurrent protection.

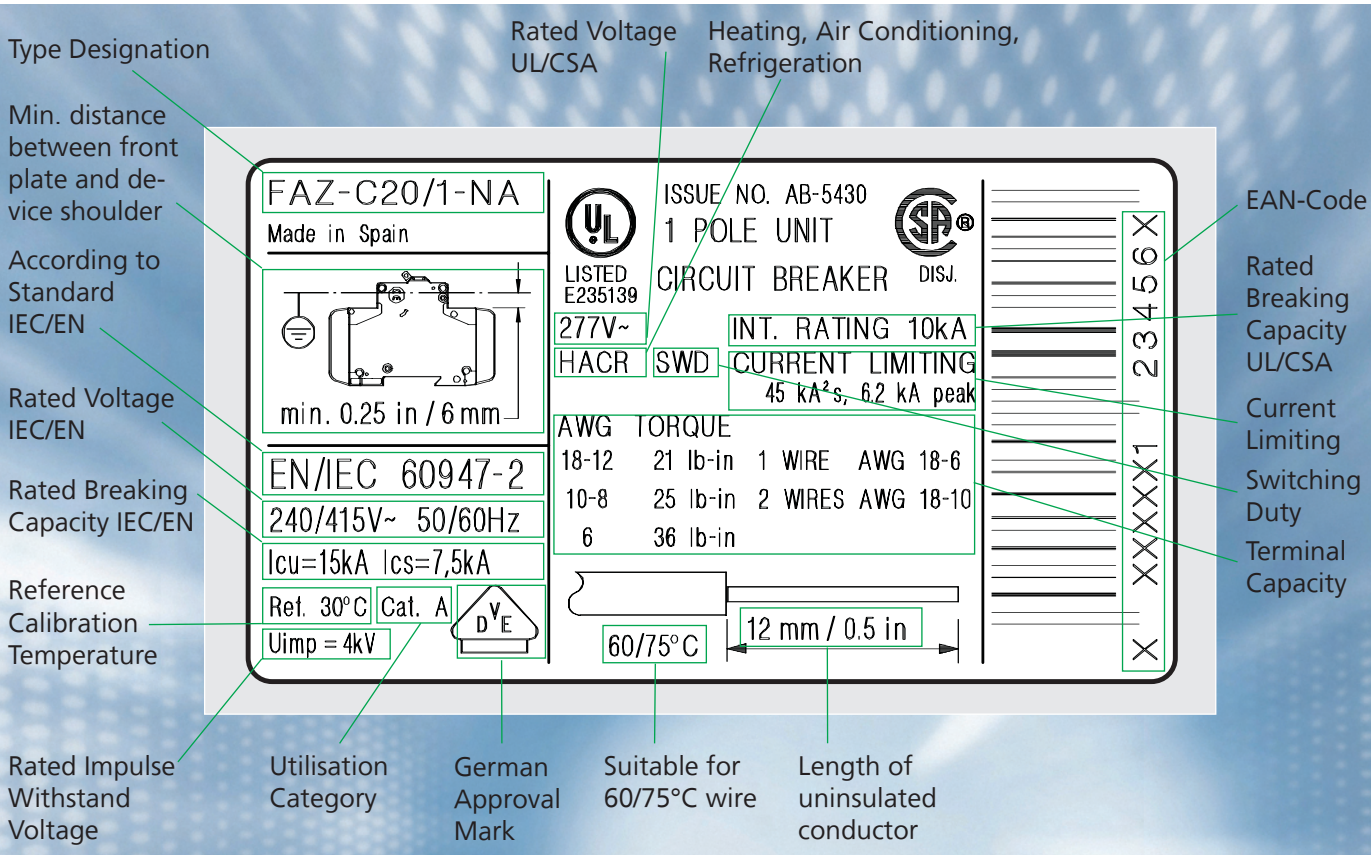
  Products meet the requirements of the National Electrical Code (NEC).

- **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



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

Miniature Circuit Breakers FAZ-RT

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

SG11905

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

SG12005

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

SG12305

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
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

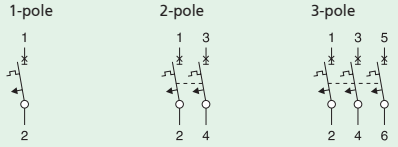
3-pole			
0.5	FAZ-D0,5/3-RT	102297	1
1	FAZ-D1/3-RT	102298	1
1.5	FAZ-D1,5/3-RT	102299	1
2	FAZ-D2/3-RT	102300	1
3	FAZ-D3/3-RT	102301	1
4	FAZ-D4/3-RT	102302	1
5	FAZ-D5/3-RT	102303	1
6	FAZ-D6/3-RT	102304	1
7	FAZ-D7/3-RT	102305	1
8	FAZ-D8/3-RT	102306	1
10	FAZ-D10/3-RT	102307	1
13	FAZ-D13/3-RT	102308	1
15	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

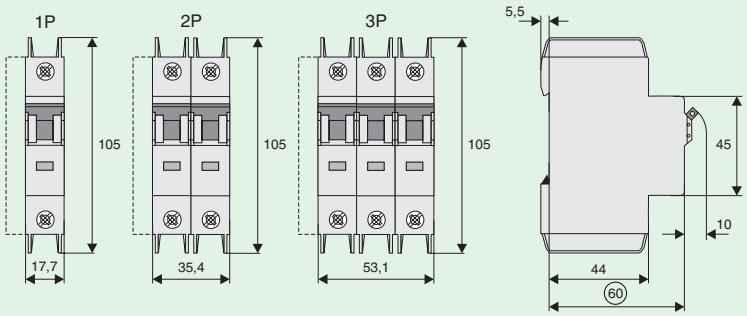


Technical Data

Electrical	
Design according to	UL 489, CSA C22.2 No.5.1, 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.5.1	40°C
IEC 60947-2	30°C

Dimensions (mm)



Power loss at I_n

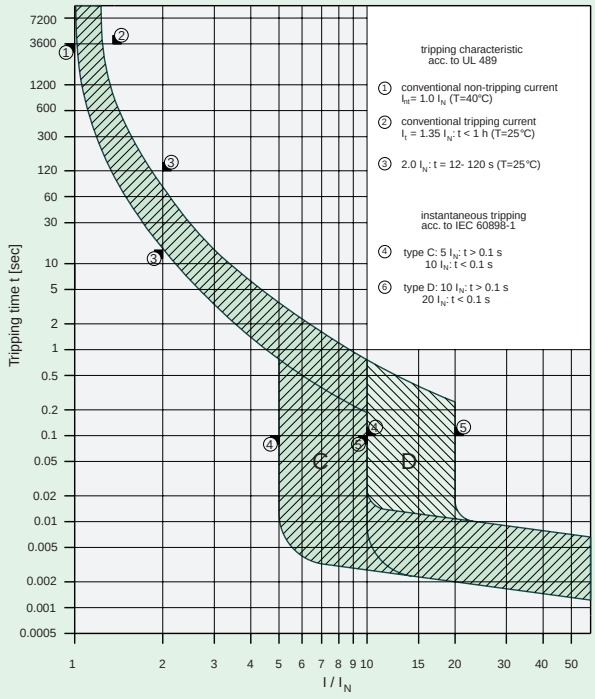
Characteristic C

	1p	2p	3p
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

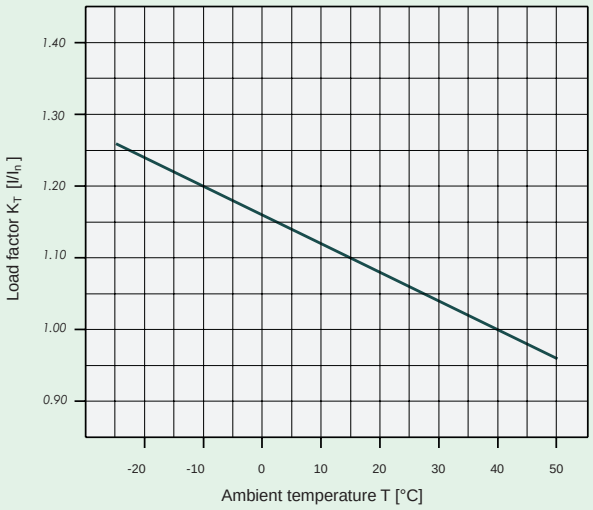
Characteristic D

	1p	2p	3p
I_n [A]	P [W]	P [W]	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

Tripping Characteristics



Influence of ambient temperature T on load carrying capacity

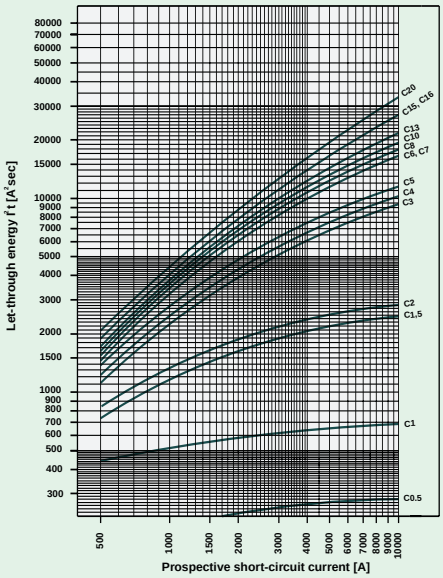


Maximum load I_L at ambient temperature T:

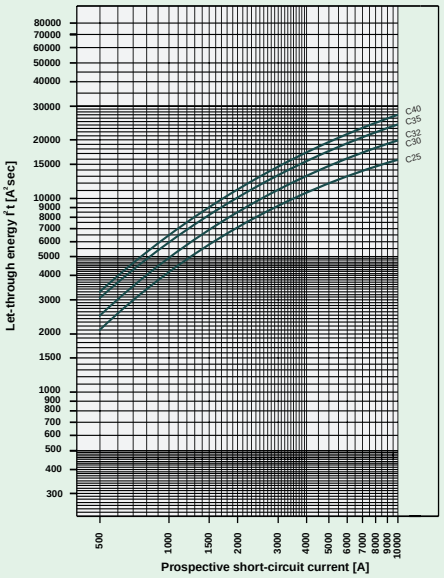
$I_L(T) = I_n \cdot K_T(T)$

Let-through Energy

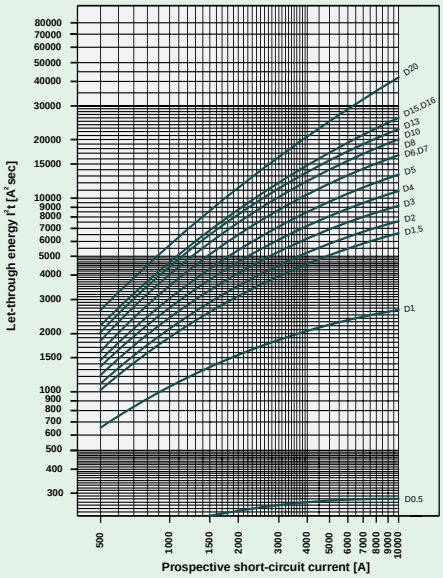
Characteristic C (0.5-20A), 277V



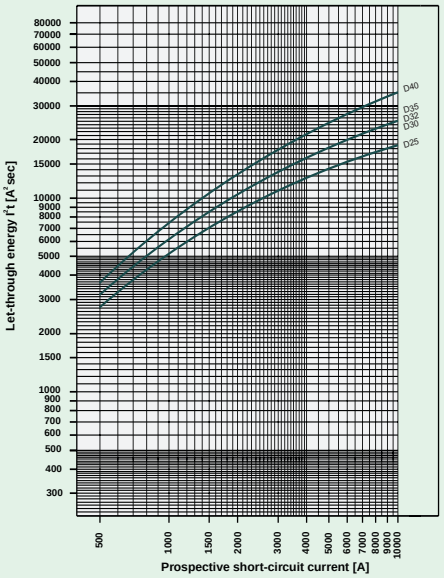
Characteristic C (25-40A), 240V



Characteristic D (0.5-20A), 277V



Characteristic D (25-40A), 240V



Accessories

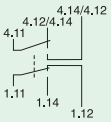
SG12002

	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
Busbar 1-phase 6MU	Z-SV/UL-16/1P-1TE/6	in prep.	1
Busbar 1-phase 12MU	Z-SV/UL-16/1P-1TE/12	in prep.	1
Busbar 1-phase 18MU	Z-SV/UL-16/1P-1TE/18	in prep.	1
Busbar 2-phases 6MU	Z-SV/UL-16/2P-2TE/6	in prep.	1
Busbar 2-phases 12MU	Z-SV/UL-16/2P-2TE/12	in prep.	1
Busbar 2-phases 18MU	Z-SV/UL-16/2P-2TE/18	in prep.	1
Busbar 3-phases 6MU	Z-SV/UL-16/3P-3TE/6	in prep.	1
Busbar 3-phases 12MU	Z-SV/UL-16/3P-3TE/12	in prep.	1
Busbar 3-phases 18MU	Z-SV/UL-16/3P-3TE/18	in prep.	1
Extension terminal 35 mm^2	Z-EK/35/UL	in prep.	3 / 180
Extension terminal 50 mm^2	Z-EK/50/UL	in prep.	3 / 180
Lockout attachment without lock	IS/SPE-1TE	101911	5 / 30

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

Connection diagram

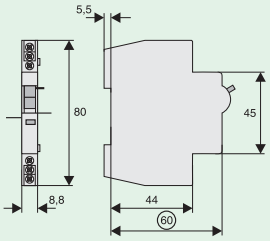


Technical Data

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

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

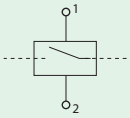
Mechanical	
Tripping indicator electrical trippingŽ	blue/white
Frame size	45 mm
Device height	80 mm
Device width	8.8 mm (0.5MU)
Mounting	onto switching dev.
Degree of protection, built-in	IP40
Terminal protection	finger and hand touch safe according to BGV A3, ÖVE-EN 6
Terminals	lift terminals
Terminal capacity	18-14 AWG
Terminal screws	M3 (Pozidrive Z0)
Fastening torque of terminal screws	7 lb-in



Shunt Trip Release FAZ-XAA-NA

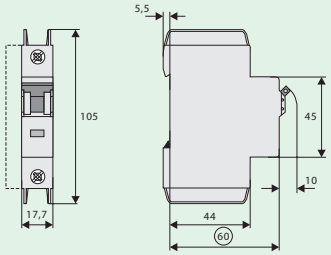
- Remote release for subsequent mounting onto FAZ-NA and FAZ-RT
- Module width 1MU
- Additional installation of standard auxiliary switch is possible
- Position indicator red - green

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	110-415V AC
	12-60V DC	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

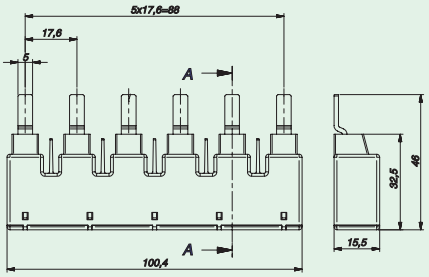
Technical Data Busbar

- Design approved to UL 489

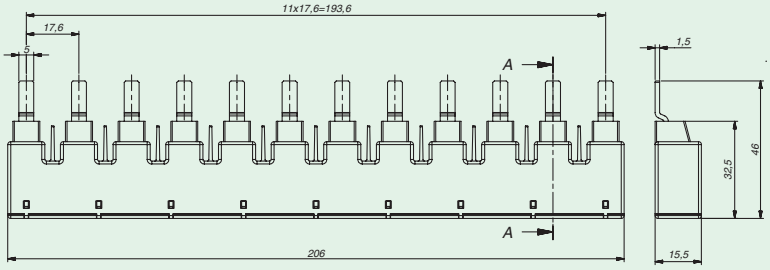
Electrical	
Rated voltage	690 V
Rated current	80 A
Short circuit strength	< 25 kA
Overvoltage category	III
Impulse voltage strength	≥ 9.5 kV

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

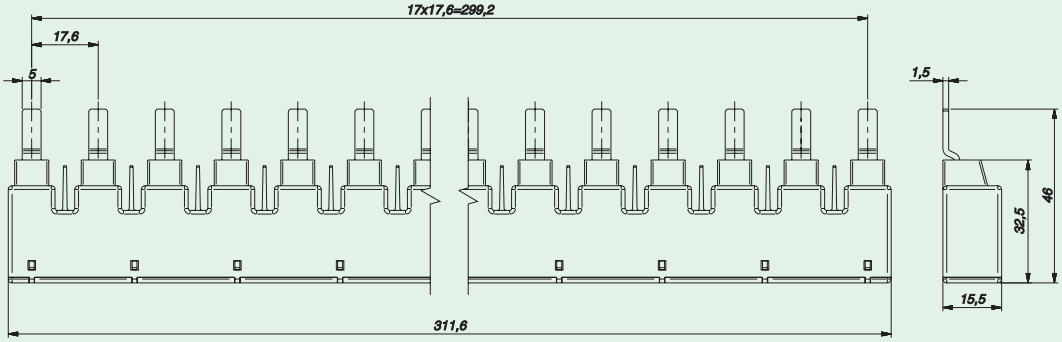
Z-SV/UL-16/.P-.TE/6



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

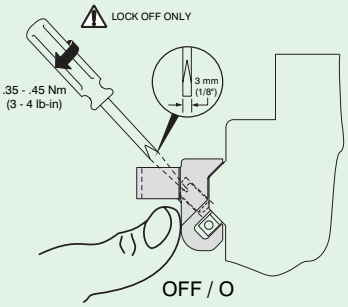


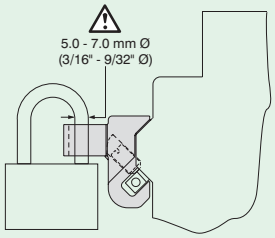
Z-SV/UL-16/.P-.TE/18

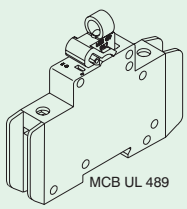


Lockout Attachment

IS/SPE-1TE

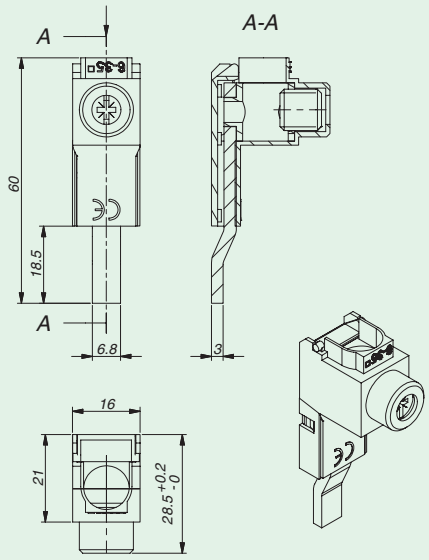




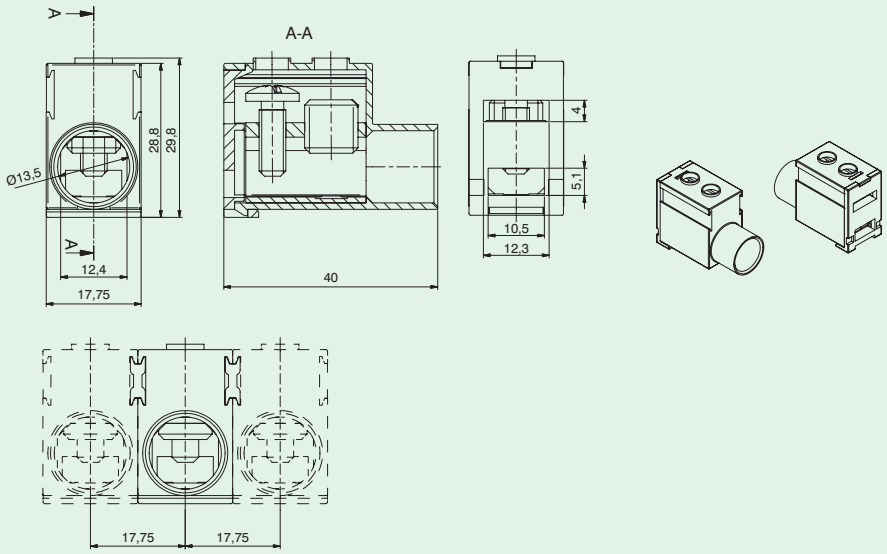


Extension Terminal

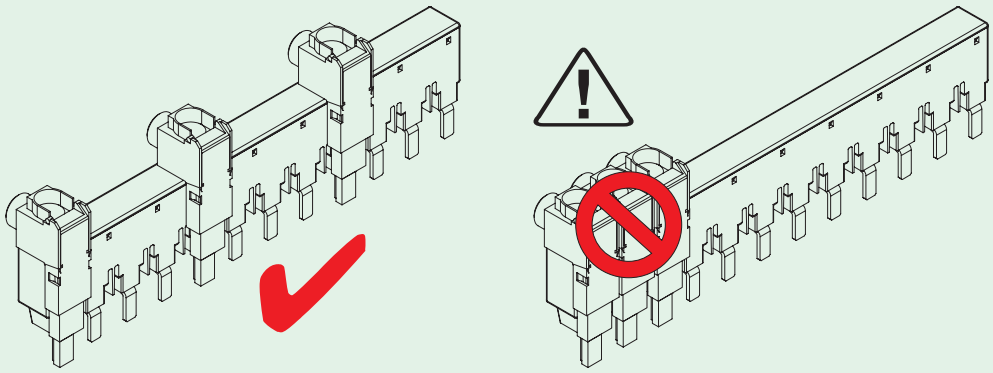
Z-EK/35/UL



Z-EK/50/UL



Attention! Only for Z-EK/35/UL



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