

KETO – The new generation NH-fuse-switch-disconnector

*Now available with
1-, 2- and 4-pole
versions*



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JEAN MÜLLER – This is how current is distributed



With JEAN MÜLLER, tradition and progress are closely intertwined. Our company's headquarters and state of the art production facility are thus located in Eltville am Rhein, where our company was founded in the year 1897. At the time classical fuses were our basis. Today, we offer electronic monitoring and power management systems, low voltage switchgears, switchgear assemblies and many more components for the safe distribution of current. Products bearing the seal JEAN MÜLLER stand for safety and reliability in operation and handling worldwide. No wonder: as a future-oriented commercial enterprise, we have consistently committed ourselves to quality and innovation. The results are high-tech solutions tailored to the needs of our customers for the electrical distribution of current.



Modular and flexible fuse switch strips for power distribution.



Construction, manufacture or operation: We always see people at the center of sophisticated technology as well.

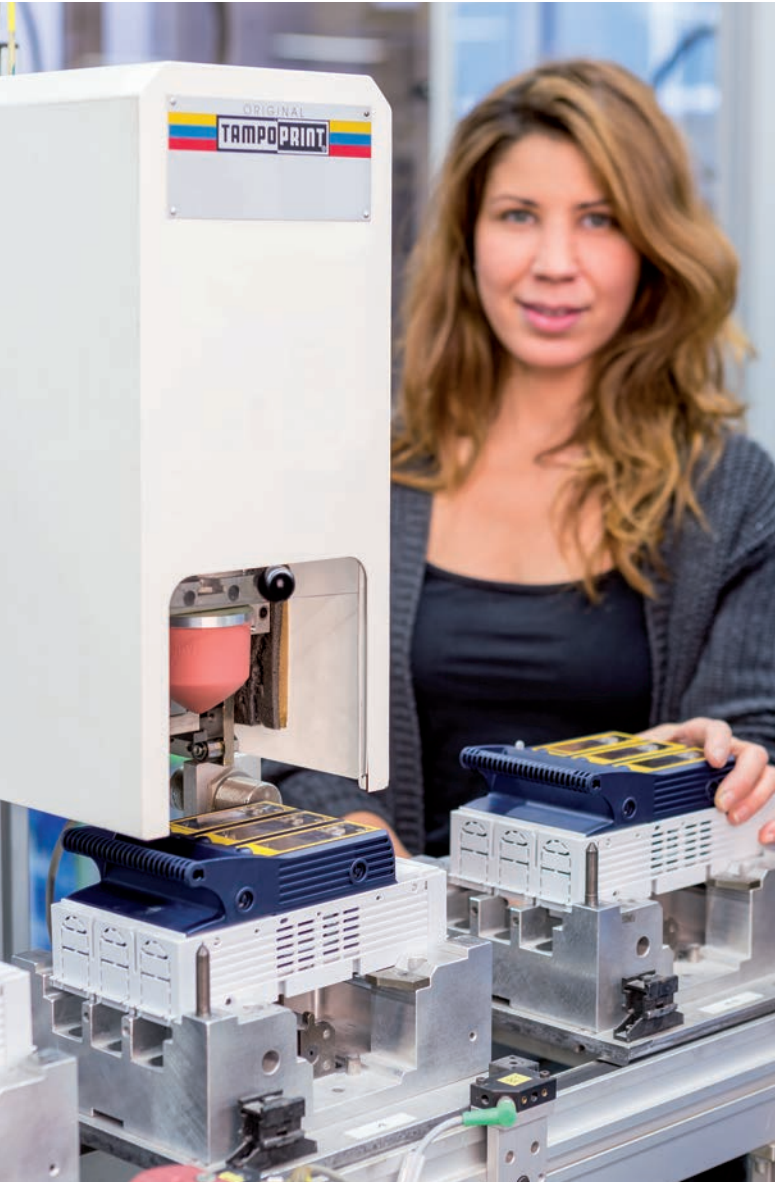


We are “THE NAME FOR SAFETY”. Over 600 employees worldwide enact this motto on daily basis – in a highly committed manner too. Our customers experience this in our special consultancy competence, open communication, the preparation of individual solutions, in the services that we offer or the development of innovative product approaches. In-depth knowledge and profound product know-how constantly form the basis of our impressive results.

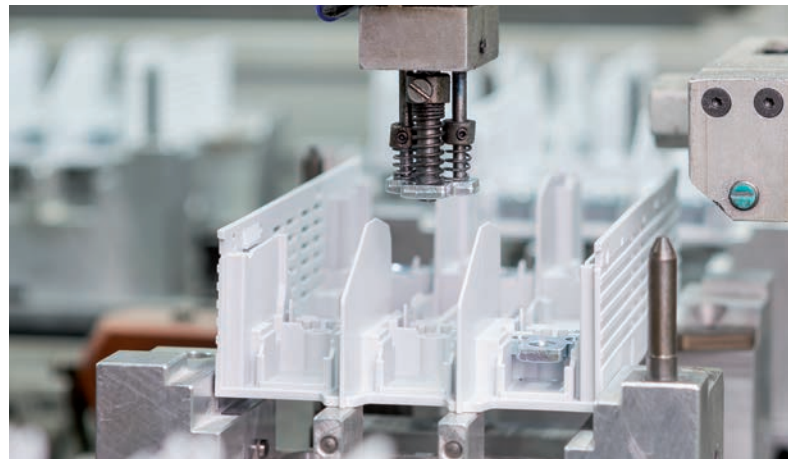
Numerous certificates, such as ISO 9001 : 2008 or ISO 14001 : 2004 + Cor 1 : 2009 confirm this standard. Our products are also type-tested – in the switchgear assemblies of our customers as well.

Yes, at JEAN MÜLLER, your wishes are firmly in focus at all times. This is possible because the range of our products and services are very comprehensive. Combined with our well-known huge vertical range of production, brand new opportunities are opened for your flexibility.

KETO – the new generation of NH-fuse-switch-disconnectors



The KETO design concept is an integral part for optimal integration into customer systems.



Sliding windows openings in the handle offers convenient access for the voltage tester. This contributes to the high protection level, which provides KETO in the operating condition.





For the development of KETO we have analyzed accurately the requirements of our customers. Either the demands of users as well as the requirements of the panel builders, gave the direction for the development of the new NH-fuse-switch-disconnectors of JEAN MÜLLER.

Our focus in the development of KETO was always on maximum safety for installer and operator and a high degree of reliability.

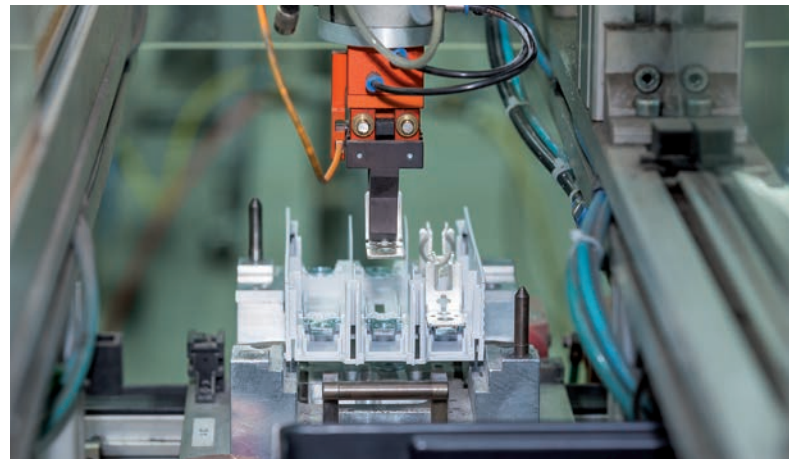
The result: A brand-new series of NH-fuse-switch-disconnectors which convinced through many positive characteristics such as these

- Compatibility
- Efficiency
- Technology
- Design

Or simply: KETO



The integrated hanging device allows at once safe and space saving parking of switch handle and fuse links.



Modern production technology ensures the compliance with the highest quality standards and enables beside the assembling of KETO standard devices, the realization of customized solutions.

KETO – one system, four sizes, full safety

KETO-disconnectors can be combined regardless of the size. Different dimensions are adjusted to an uniform cover cutout with the available components for touch protection. Many functions are integrated across all construction sizes, e.g. four cover support levels at 32, 60, 70 and 90mm above top of busbar. This ensures an optimal system integration. Versions for baseplate mounting, busbar- and DIN rail mounting offer the suitable solution for each application.



KETO size 00
 $I_e = 160A$
Overall width: 106mm
System size: 195mm



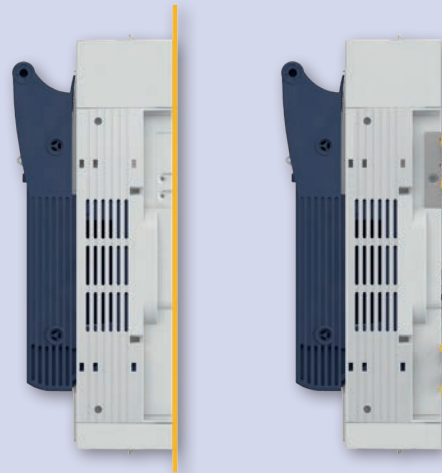
KETO size 1
 $I_e = 250A$
Overall width: 184mm
System size: 300mm



KETO size 2
 $I_e = 400A$
Overall width: 210mm
System size: 300mm

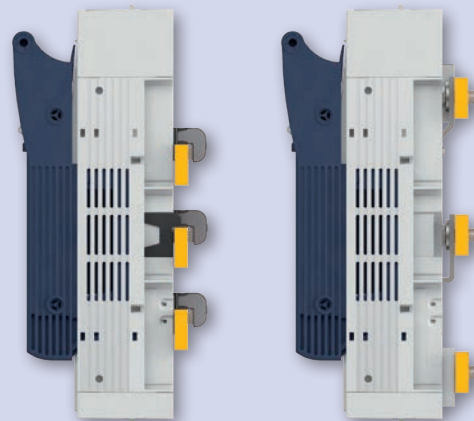


KETO size 3
 $I_e = 630A$
 Overall width: 250mm
 System size: 300mm



Baseplate mounting

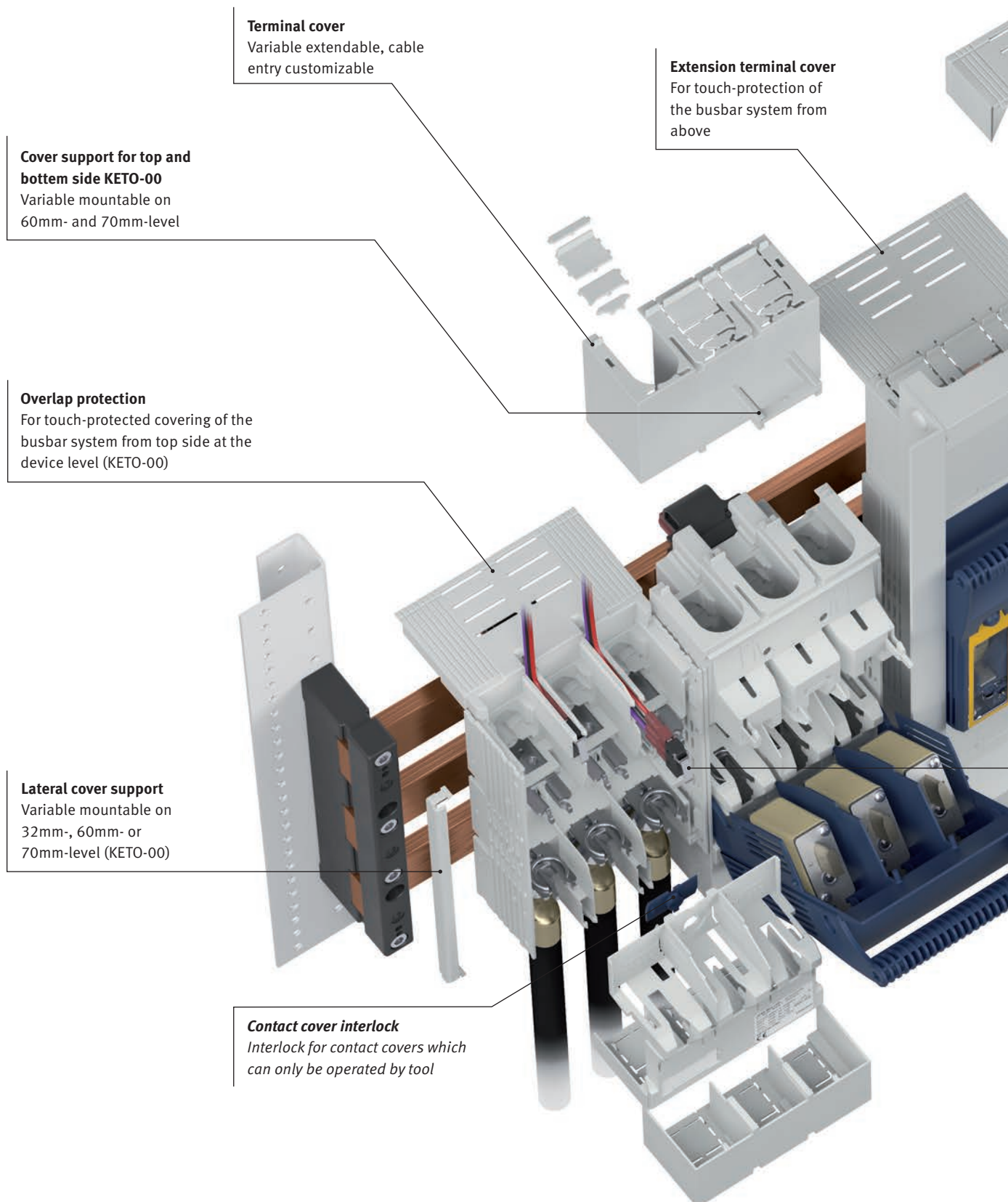
Multiple mounting hole pattern allow a variable installation and quick replacement. KETO-00 and KETO-1 can optionally be built on two parallel DIN-rails.



Busbar mounting

KETO-00 to KETO-3 are easy to fit onto busbar systems with 60mm center distance – without any drilling. KETO-1 to KETO-3 are also available for installation onto 100mm busbar systems.

KETO – always the right system for your application





Overlap protection

For touch-protected covering of the busbar system from top side at the device level (KETO-1, -2, -3)

**Lateral cover support
KETO-00**

Variable mountable on 32mm-, 60mm-, 70mm- or 90mm-level (KETO-1, -2, -3)

Locking device

For holding of one padlock with max. 6mm shackle diameter

**Height adjustment adapter
20mm, 3-pole**

For adaption of KETO-00 at 90mm installation level

Switch position indicator

2 changeover, AC250V, 10/3A (resistive/ind.)

Focus on user safety

At KETO is safety always at the highest level. Even under voltage ensure features like overlap-protectors, status indicators, easy to use measuring access but also special touch protection covers at any time for maximum user safety.

KETO – sophisticated solutions down to the smallest detail

Options for all conditions

Depending on the installation situation the specifications vary, options are required. Various types of terminals, four different clamping systems and many further equipment options – KETO is the solution for all installation conditions.

Fuse-monitoring ESlight

Selective fault indication – one red LED per phase

Terminal cover

Variable extendable, cable entry customizable

Power theft protection

For tamper-proof locking of the windows

Phase busbar 3-phase

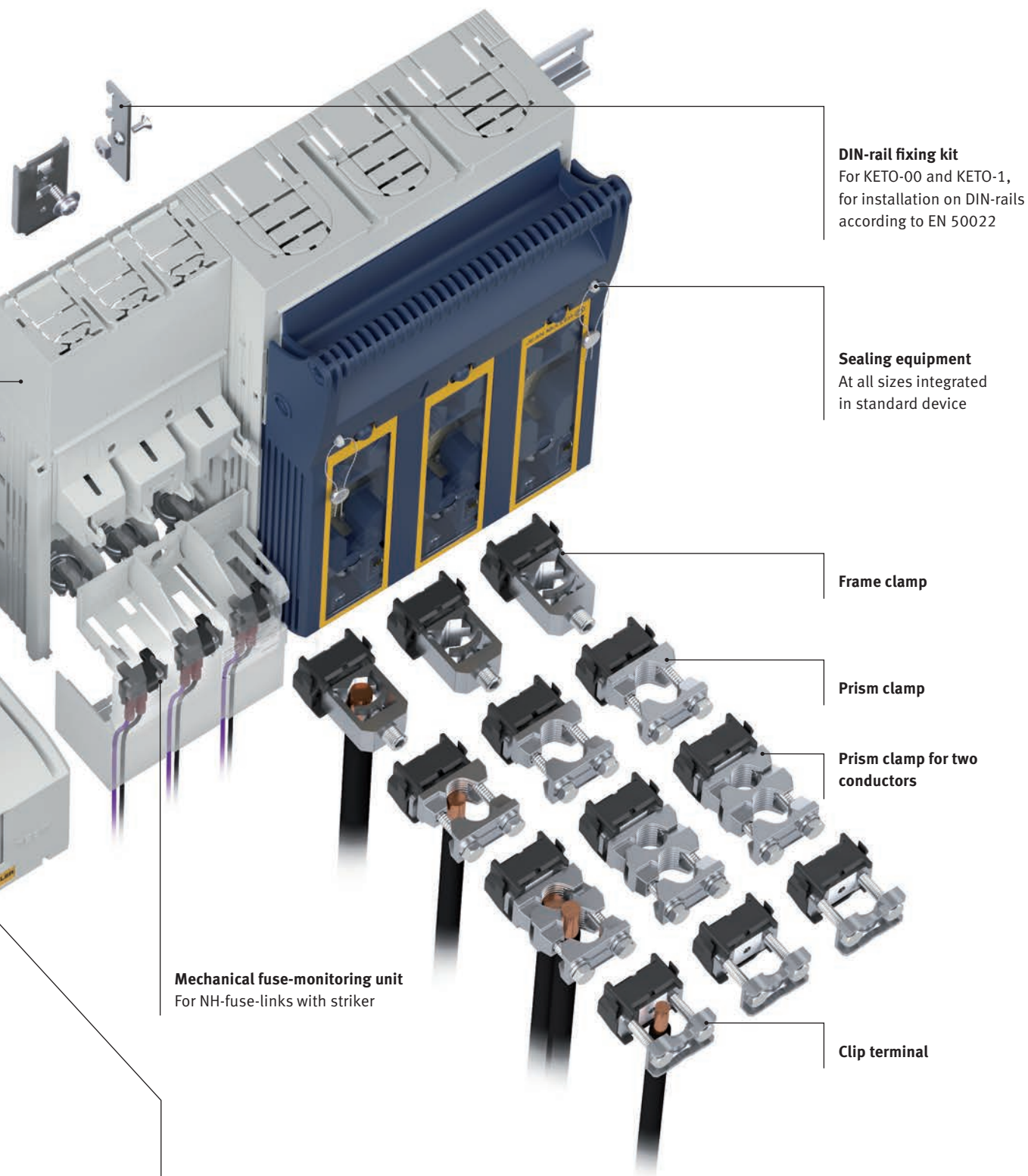
Touch-protected feeding system for up to five KETO-00

Feeding clamp

Touch-protected feeding clamps 25-95mm² for KETO-00, terminal M8

Electronic fuse-monitoring unit (ES10)

The allround-solution for AC400-500V, with stand-by indicator, fault simulation and selective fault indicator for fuse failure



DIN-rail fixing kit
For KETO-00 and KETO-1,
for installation on DIN-rails
according to EN 50022

Sealing equipment
At all sizes integrated
in standard device

Frame clamp

Prism clamp

**Prism clamp for two
conductors**

Clip terminal

Mechanical fuse-monitoring unit
For NH-fuse-links with striker

Electromechanical fuse-monitoring unit (AM)
Monitoring with motor-protection switch for
special applications AC690V/DC150V

The terminal clamps can be retrofitted for connection type
“F” and can be found in the accessories section starting
from page T-24.

The world of KETO: Areas of application



Through its particularly compact design KETO is the ideal switching device for feeding of LV distribution boards, for protection in the uncoun-
ted area of meter boards, but also as a protective device for mobile power applications.

The protection of cables and wires but also of machines is done with KETO safe, reliable and – if needed – electronically monitored.



KETO can be adapted to various cabinet systems and helps to provide our living space with energy.



Modern transportation technology requires fast action in case of failure. On KETO can be relied – thanks to a variety of options for fuse- and switch position monitoring no blown fuse-link remains undetected.

NH fuse-switch-disconnectors for baseplate mounting

Convincing advantages



Easy voltage measurement

- Comfortable access with standard voltage testers via movable window in the handle
- No reduction of protection degree IP2XC in standard operating condition



Space-saving parking position

- Safe parking of the handle by integrated hanging device
- Reliable protection against accidental reclosing



DIN rail mounting

- *Time-saving installation due to retrofit rail mounting for KETO-00 and KETO-1*
- Strong grip by two-rail mounting technology



Protection against operating errors

- Locking device prevents unauthorized operation
- Can be retrofitted in all sizes

3-pole design › Baseplate mounting



DIN Size	Terminal version	Connection [mm²]	Current Rating	Part No.
00	Flat terminal M8/2xM5	max. 95	160	KETO-00-3/F
	Box clamp R95	1,5-95		KETO-00-3/R95
1	Flat terminal M10	max. 150	250	KETO-1-3/F
	Box clamp R150	35-150		KETO-1-3/R150
2	Flat terminal M10	max. 240	400	KETO-2-3/F
	Box clamp R300	95-300		KETO-2-3/R300
3	Flat terminal M10	max. 300	630	KETO-3-3/F
	Box clamp R300	95-300		KETO-3-3/R300

NH fuse-switch-disconnector

Accessories

Technical data

Dimensions

3-pole design › Baseplate mounting › Fuse-control ESlight



DIN Size	Terminal version	Connection [mm²]	Current Rating	Part No.
00	Flat terminal M8/2xM5	max. 95	160	KETO-00-3/F/ESL
	Box clamp R95	1,5-95		KETO-00-3/R95/ESL
1	Flat terminal M10	max. 150	250	KETO-1-3/F/ESL
	Box clamp R150	35-150		KETO-1-3/R150/ESL
2	Flat terminal M10	max. 240	400	KETO-2-3/F/ESL
	Box clamp R300	95-300		KETO-2-3/R300/ESL
3	Flat terminal M10	max. 300	630	KETO-3-3/F/ESL
	Box clamp R300	95-300		KETO-3-3/R300/ESL

Contact addresses

Accessories	Technical data	Dimensions
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NH fuse-switch-disconnectors

3-pole design › Baseplate mounting › **Electronic fuse-monitoring unit ES10**



DIN Size	Terminal version	Connection [mm²]	Current Rating	Part No.
00	Flat terminal M8/2xM5	max. 95	160	KETO-00-3/F/ES10
	Box clamp R95	1,5-95		KETO-00-3/R95/ES10
1	Flat terminal M10	max. 150	250	KETO-1-3/F/ES10
	Box clamp R150	35-150		KETO-1-3/R150/ES10
2	Flat terminal M10	max. 240	400	KETO-2-3/F/ES10
	Box clamp R300	95-300		KETO-2-3/R300/ES10
3	Flat terminal M10	max. 300	630	KETO-3-3/F/ES10
	Box clamp R300	95-300		KETO-3-3/R300/ES10

3-pole design › Baseplate mounting › **Electromechanical fuse-monitoring unit AM**



DIN Size	Terminal version	Connection [mm²]	Current Rating	Part No.
00	Flat terminal M8/2xM5	max. 95	160	KETO-00-3/F/AM
	Box clamp R95	1,5-95		KETO-00-3/R95/AM
1	Flat terminal M10	max. 150	250	KETO-1-3/F/AM
	Box clamp R150	35-150		KETO-1-3/R150/AM
2	Flat terminal M10	max. 240	400	KETO-2-3/F/AM
	Box clamp R300	95-300		KETO-2-3/R300/AM
3	Flat terminal M10	max. 300	630	KETO-3-3/F/AM
	Box clamp R300	95-300		KETO-3-3/R300/AM

1-pole design › Baseplate mounting



DIN Size	Terminal version	Connection [mm²]	Current Rating	Part No.
00	Flat terminal M8/2xM5	max. 95	160	KETO-00-1/F
	Box clamp R95	1,5 - 95		KETO-00-1/R95
1	Flat terminal M10	max. 150	250	KETO-1-1/F
2-3	Flat terminal M10	max. 300	400/630	KETO-3-1/F

NH fuse-switch-disconnector

2-pole design › Baseplate mounting



DIN Size	Terminal version	Connection [mm²]	Current Rating	Part No.
00	Flat terminal M8/2xM5	max. 95	160	KETO-00-2/F
1	Flat terminal M10	max. 150	250	KETO-1-2/F
2-3	Flat terminal M10	max. 300	400/630	KETO-3-2/F

Accessories

Technical data

Dimensions

4-pole design › Baseplate mounting



DIN Size	Terminal version	Connection [mm²]	Current Rating	Part No.
00	Flat terminal M8/2xM5	max. 95	160	KETO-00-4/F
1	Flat terminal M10	max. 150	250	KETO-1-4/F
2-3	Flat terminal M10	max. 300	400/630	KETO-3-4/F

Contact addresses

4. 4th pole advanced making, delayed breaking

Accessories	Technical data	Dimensions
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NH fuse-switch-disconnectors

NH fuse-switch-disconnectors for busbar mounting

Convincing advantages

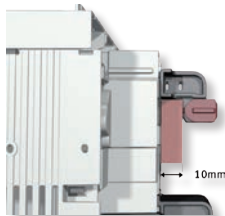
Compatibility

- Uniform cover cutout for all sizes
- Variable installation depth by 4 field supporting surfaces (32mm, 60mm, 70mm, 90mm)



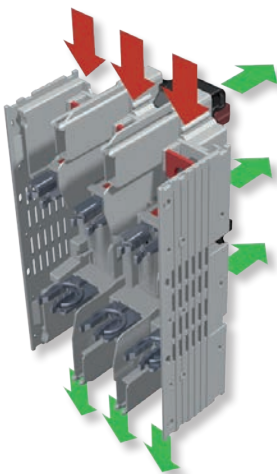
Flexibility

- Reversible adaptation to 5mm and 10mm thick bars
- Easy changing of cable terminal from bottom side to top side



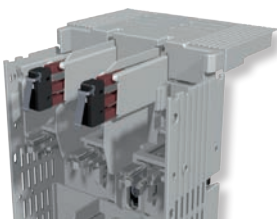
Space-saving

- Busbar supply and safe outgoing cable outlet in one device through a special design with integrated feeding terminal
- Busbar supports can be complete overbuild up to 20mm width, height max. 19mm



Retrofittable switch position indicator

- Separate circuits function by dual monitoring in each unit
- Wide range of applications due to high switching capacity 10/3A (resistive/ind.) AC250V





3-pole design › **60mm busbar system** › Busbar thickness 5mm or 10mm › Direction of cable terminal variable

DIN Size	Terminal version	Connection [mm ²]	Current Rating	Part No.
00	Flat terminal M8/2xM5	max. 95	160	KETO-00-3/60/AOU/F
	Box clamp R95	1,5-95		KETO-00-3/60/AOU/R95
	Box clamp R95-32mm level	1,5-95		KETO-00-3/60/AOU/R95T
1	Flat terminal M10	max. 150	250	KETO-1-3/60/AOU/F
	Box clamp R150	35-150		KETO-1-3/60/AOU/R150
2	Flat terminal M10	max. 240	400	KETO-2-3/60/AOU/F
	Box clamp R300	95-300		KETO-2-3/60/AOU/R300
3	Flat terminal M10	max. 300	630	KETO-3-3/60/AOU/F
	Box clamp R300	95-300		KETO-3-3/60/AOU/R300

NH fuse-switch-disconnector

Accessories

3-pole design › **60mm busbar system** › Busbar thickness 5mm or 10mm
› Direction of cable terminal variable › **Fuse-control ESlight**



Technical data

Dimensions

Contact addresses

DIN Size	Terminal version	Connection [mm ²]	Current Rating	Part No.
00	Flat terminal M8/2xM5	max. 95	160	KETO-00-3/60/AOU/F/ESL
	Box clamp R95	1,5-95		KETO-00-3/60/AOU/R95/ESL
	Box clamp R95-32mm level	1,5-95		KETO-00-3/60/AOU/R95T/ESL
1	Flat terminal M10	max. 150	250	KETO-1-3/60/AOU/F/ESL
	Box clamp R150	35-150		KETO-1-3/60/AOU/R150/ESL
2	Flat terminal M10	max. 240	400	KETO-2-3/60/AOU/F/ESL
	Box clamp R300	95-300		KETO-2-3/60/AOU/R300/ESL
3	Flat terminal M10	max. 300	630	KETO-3-3/60/AOU/F/ESL
	Box clamp R300	95-300		KETO-3-3/60/AOU/R300/ESL

Accessories	Technical data	Dimensions
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NH fuse-switch-disconnectors

3-pole design › **60mm busbar system** › Busbar thickness 5mm or 10mm
› Direction of cable terminal variable › **Electronic fuse-monitoring unit ES10**

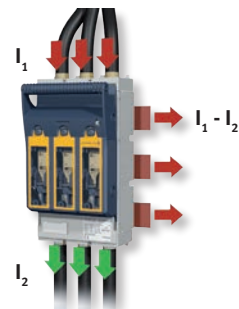


DIN Size	Terminal version	Connection [mm²]	Current Rating	Part No.
00	Flat terminal M8/2xM5	max. 95	160	KETO-00-3/60/AOU/F/ES10
	Box clamp R95	1,5-95		KETO-00-3/60/AOU/R95/ES10
	Box clamp R95-32mm level	1,5-95		KETO-00-3/60/AOU/R95T/ES10
1	Flat terminal M10	max. 150	250	KETO-1-3/60/AOU/F/ES10
	Box clamp R150	35-150		KETO-1-3/60/AOU/R150/ES10
2	Flat terminal M10	max. 240	400	KETO-2-3/60/AOU/F/ES10
	Box clamp R300	95-300		KETO-3-3/60/AOU/R300/ES10
3	Flat terminal M10	max. 300	630	KETO-3-3/60/AOU/F/ES10
	Box clamp R300	95-300		KETO-3-3/60/AOU/R300/ES10

3-pole design › **60mm busbar system** › Busbar thickness 5mm or 10mm ›
Direction of cable terminal variable › **Electromechanical fuse-monitoring unit AM**



DIN Size	Terminal version	Connection [mm²]	Current Rating	Part No.
00	Flat terminal M8/2xM5	max. 95	160	KETO-00-3/60/AOU/F/AM
	Box clamp R95	1,5-95		KETO-00-3/60/AOU/R95/AM
	Box clamp R95-32mm level	1,5-95		KETO-00-3/60/AOU/R95T/AM
1	Flat terminal M10	max. 150	250	KETO-1-3/60/AOU/F/AM
	Box clamp R150	35-150		KETO-1-3/60/AOU/R150/AM
2	Flat terminal M10	max. 240	400	KETO-2-3/60/AOU/F/AM
	Box clamp R300	95-300		KETO-2-3/60/AOU/R300/AM
3	Flat terminal M10	max. 300	630	KETO-3-3/60/AOU/F/AM
	Box clamp R300	95-300		KETO-3-3/60/AOU/R300/AM



3-pole design › **60mm busbar system** › Busbar thickness 5mm or 10mm › Direction of cable terminal variable
› **With integrated feeding terminal**

Feeding side	Terminal side	DIN Size	Terminal version on both sides	Connection [mm²]	Current Rating	Part No.
top/bottom		00	Flat terminal M8/2xM5	max. 95	160	KETO-00-3/60/AOU/F/EST
			Prism clamp P0095	10-95		KETO-00-3/60/AOU/P0095/EST
bottom side	top side	1	Flat terminal M10	max. 150	250	KETO-1-3/60/AO/F/EST
			Prism clamp P1	70-150		KETO-1-3/60/AO/P1/EST
		2	Flat terminal M10	max. 240	400	KETO-2-3/60/AO/F/EST
			Prism clamp P2	120-240		KETO-2-3/60/AO/P2/EST
		3	Flat terminal M10	max. 300	630	KETO-3-3/60/AO/F/EST
			Prism clamp P3	120-300		KETO-3-3/60/AO/P3/EST
top side	bottom side	1	Flat terminal M10	max. 150	250	KETO-1-3/60/AU/F/EST
			Prism clamp P1	70-150		KETO-1-3/60/AU/P1/EST
		2	Flat terminal M10	max. 240	400	KETO-2-3/60/AU/F/EST
			Prism clamp P2	120-240		KETO-2-3/60/AU/P2/EST
		3	Flat terminal M10	max. 300	630	KETO-3-3/60/AU/F/EST
			Prism clamp P3	120-300		KETO-3-3/60/AU/P3/EST

* With NH fuse-links 500V

NH fuse-switch-disconnector

Accessories

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Dimensions

Contact addresses

NH fuse-switch-disconnectors

3-pole design › **100mm busbar system** › Screw fixation on busbar › Direction of cable terminal variable



DIN Size	Terminal version	Connection [mm²]	Current Rating	Part No.
1	Flat terminal M10	max. 150	250	KETO-1-3/100/AOU/F
2		max. 240	400	KETO-2-3/100/AOU/F
3		max. 300	630	KETO-3-3/100/AOU/F

1-pole design › Busbar mounting › **Screw fixation**



DIN Size	Terminal version	Connection [mm²]	Current Rating	Part No.
00	Flat terminal M8/2xM5	max. 95	160	KETO-00-1/AOU/F
	Box clamp R95	1,5-95		KETO-00-1/AOU/R95
1	Flat terminal M10	max. 150	250	KETO-1-1/AOU/F
2-3	Flat terminal M10	max. 300	400/630	KETO-3-1/AOU/F

1-pole design › Busbar mounting › **Clamp fixation**



DIN Size	Terminal version	Connection [mm²]	Current Rating	Part No.
00	Flat terminal M8/2xM5	max. 95	160	KETO-00-1/AOU/F/SK
	Box clamp R95	1,5-95		KETO-00-1/AOU/R95/SK
1	Flat terminal M10	max. 150	250	KETO-1-1/AOU/F/SK
2-3	Flat terminal M10	max. 300	400/630	KETO-3-1/AOU/F/SK

4-pole design › 60mm busbar system



DIN Size	Terminal version	Connection [mm²]	Current Rating	Part No.
00	Flat terminal M8/2xM5	max. 95	160	KETO-00-4/60/AO/F
1	Flat terminal M10	max. 150	250	KETO-1-4/60/AO/F
00	Flat terminal M8/2xM5	max. 95	160	KETO-00-4/60/AU/F
1	Flat terminal M10	max. 150	250	KETO-1-4/60/AU/F

4. 4th pole advanced making, delayed breaking

NH fuse-switch-disconnector

Accessories

Technical data

Dimensions

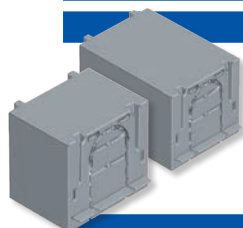
Contact addresses

Accessories	Technical data	Dimensions
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Accessories

	Description	Size	Part No.	Dimensions
Clip terminal				
	1,5-70mm² Cu	00	S00-Z	—
	25-150mm² Cu	1	S1	—
	25-240mm² Cu	2	S2	—
	11 x 21 x 1mm Band Cu	3	S3	—
Prism clamp				
	10-70mm² Al/Cu	00	P0070-Z	—
	70-150mm² Al/Cu	1	P1	—
	120-240mm² Al/Cu	2	P2	—
	120-300mm² Al/Cu	3	P3	—
Prism clamp for 2-conductors connection				
	2 x 70-95mm² Al/Cu	1	P12	—
	2 x 120-150mm² Al/Cu	2	P22	—
	2 x 120-240mm² Al/Cu	3	P32	—
Not in combination with mechanical fuse-monitoring unit				
Frame clamp				
	35-150mm² Al/Cu	1	R150-KETO-1	—
	95-300mm² Al/Cu	2-3	R300-KETO-2+3	—
Phase busbars				
	2 x KETO-00-3 35mm²	00	PHS-KETO-00-3/2/35	T-38
	2 x KETO-00-3 50mm²		PHS-KETO-00-3/2/50	T-38
	3 x KETO-00-3 35mm²		PHS-KETO-00-3/3/35	T-38
	3 x KETO-00-3 50mm²		PHS-KETO-00-3/3/50	T-38
	4 x KETO-00-3 35mm²		PHS-KETO-00-3/4/35	T-38
	4 x KETO-00-3 50mm²		PHS-KETO-00-3/4/50	T-38
	5 x KETO-00-3 35mm²		PHS-KETO-00-3/5/35	T-38
	5 x KETO-00-3 50mm²		PHS-KETO-00-3/5/50	T-38
Feeding clamp				
	25-95mm² Cu/Al, isolated, terminal M8 AC690V/DC1000V-250A	00	ESK-KETO-00/95	T-39
Terminal cover, 3-pole, variable to open				
	Length 36mm	00	AA-KETO-00-3/36	T-51
	Length 66mm		AA-KETO-00-3/66	T-51
	Length 42mm	1	AA-KETO-1-3	T-51
	Length 42mm	2	AA-KETO-2-3	T-51
	Length 42mm	3	AA-KETO-3-3	T-51

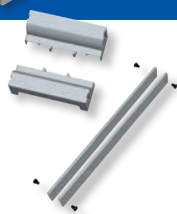
	Description	Size	Part No.	Dimensions
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Terminal cover, 1-pole, variable to open

Length 36mm	00	AA-KETO-00-1/36	T-55
Length 66mm		AA-KETO-00-1/66	T-55
Length 42mm	1	AA-KETO-1-1	T-55
Length 42mm	3	AA-KETO-3-1	T-55

Height adjusting adapter 70 90mm, 3-pole



System size 340-370mm	top + bottom	00	HAA-KETO-00-3/ 70-90/OU	T-52
System size 300mm			HAA-KETO-00-3/ 70-90/OU	T-52
System size 340-370mm	right + left		HAA-KETO-00-3/ 70-90/SRL	T-52
System size 300mm			HAA-KETO-00-3/ 70-90/SRL	T-52

Terminal cover extension, 3-pole



$h_1 = 39$ or 34 mm	00	ARV-KETO-00-3/39-34	T-52
$h_1 = 32$ mm		ARV-KETO-00-3/32	T-52

h_1 = Distance top edge busbar to base plate

Overlap protector for busbar systems



$h_1 = 39$ or 34 mm, for terminal F, S00, P00, R95	00	UGS-KETO-00-3/39-34	T-53
$h_1 = 32$ mm, for terminal F, S00, P00, R95		UGS-KETO-00-3/32	T-53
$h_1 = 39$ or 34 mm, for terminal R95T		UGS-KETO-00-3/R95T/39-34	T-53
$h_1 = 32$ mm, for terminal R95T		UGS-KETO-00-3/R95T/32	T-53
$h_1 = 39$ or 34 mm	1	UGS-KETO-1-3/39-34	T-54
$h_1 = 32$ mm		UGS-KETO-1-3/32	T-54
$h_1 = 39$ or 34 mm	2	UGS-KETO-2-3/39-34	T-54
$h_1 = 32$ mm		UGS-KETO-2-3/32	T-54
$h_1 = 39$ or 34 mm	3	UGS-KETO-3-3/39-34	T-54
$h_1 = 32$ mm		UGS-KETO-3-3/32	T-54

h_1 = Distance top edge busbar to base plate

NH fuse-switch-disconnector

Accessories


Technical data

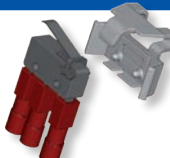
Dimensions

Contact addresses


Accessories

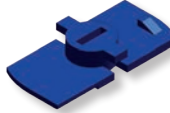
	Description	Size	Part No.	Dimensions
	Cover support			
	top or bottom side level 60mm, 70mm	00	BLA-KETO-00-OU	T-55
	lateral, level 32mm, 60mm, 70mm		BLA-KETO-00-SRL	T-55
	top or bottom side, lateral level 32mm, 60mm, 70mm	1, 2, 3	BLA-KETO-123	T-55


	Switch position indicator				
	1 Changeover, AC250V, 10/3A (ohmic/ind.)	1-pole	00	EV-KETO-00/1	–
		3-pole		EV-KETO-00/3	–
		1+3-pole	1, 2, 3	EV-KETO-123	–

	Mechanical fuse monitor			
	1 Changeover, AC250V, 10/3A (ohmic/ind.)	00	K-KETO-00	–
		1-3	K-KETO-123	–

Only in combination with JEAN MÜLLER fuse-links with striker-pin; not in combination with frame-clamp or 2-wire-prism clamp.

	DIN rail fixing parts			
	For mounting on DIN rails acc. to EN 50022	00	Z-KETO-00 100-150MM	–
		1	Z-KETO-1 100-150MM	–

	Contact cover interlock			
	Interlock for contact covers which can only be operated by tool	00-3	VKA-KETO-00123-3	–

	Interlock device			
	For locking with padlock in the closed condition (diameter 6mm max.)	00-3	ASV-KETO-00123	–

	Description	Size	Part No.	Dimensions
	Electronic fuse monitoring unit ES10, 3-pole			
	For monitoring of fuse-links with live gripping lugs	00	D-KETO-00-3/ES10	T-36
		1	D-KETO-1-3/ES10	T-36
		2	D-KETO-2-3/ES10	T-36
		3	D-KETO-3-3/ES10	T-36
	Elektromechanical fuse monitoring unit (AM)			
	For monitoring of fuse-links with live grip-ping lugs	00	D-KETO-00-3/AM	T-37
		1	D-KETO-1-3/AM	T-37
		2	D-KETO-2-3/AM	T-37
		3	D-KETO-3-3/AM	T-37
	Power theft protection			
	For tamper-proof locking of the windows (1 Set = 3 Stk./pc.)	00-3	SDS-KETO-00123	–
	NH disconnecter N-pole, advanced/delayed			
	N-Pol-00, Terminal M8, 160A	00	KETO N-Pol-00/F/160	–
	N-Pol-1, Terminal M10, 250A	1	KETO N-Pol-1/F/250	–
	N-Pol-3, Terminal M10, 630A	3	KETO N-Pol-3/F/630	–
	<i>Baseplate mounting, for mounting at 3-pole disconnectors</i>			
	Connecting kit 2- and 4-pole			
	For making of 2- and 4-pole disconnectors	00-3	VBS-KETO-00/2+4P	–
			VBS-KETO-123/2+4P	–

NH fuse-switch-disconnector

Accessories

Technical data

Dimensions

Contact addresses

Type				Baseplate mounting		Busbar mounting		
Electrical characteristics	According to standard			DIN EN 60947-3				
	For NH fuse-links acc. to DIN VDE 0636-2		Size		000/00			
	Rated operational voltage		U _e	V	AC690 DC440			
	Rated operational current ¹⁾		I _e	A	160			
	Conv. free air thermal current with fuse-links ¹⁾		I _{th}	A	160			
	Conv. free air thermal current with solid-links ¹⁾		I _{th}	A	210		On request	
	Rated frequency		f	Hz	40-60			
	Rated insulation voltage		U _i	V	AC800			
					1P	3P	1P	3P
	Total power loss at I _{th} (without fuse-links)		P _v	W	3	9	5	14
	Power loss at 80% I _{th} (without fuse-links) ²⁾		P _v	W	1,9	5,8	3	9
	Rated impulse withstand voltage		U _{imp}	kV	8			
	Utilization category ³⁾		—	—	AC-23B (400V/160A) AC-22B (500V/160A) AC-21B (690V/160A) DC-22B (250V/160A) DC-21B (440V/160A)			
	Rated conditional short-circuit current ^{3) 4)}		—	kA	120 (500V) 100 (690V)			
	Rated short-time withstand current		I _{cw}	kA	5/1s			
	Max. permis. power loss per fuse-link		P _a	W	12			

1) In case of mounting of several units in low voltage switchgear-combinations, please consider rated diversity factors acc. to DIN EN 61439.

2) Reference value for replacement of devices acc. to DIN EN 61439-1 clause 10.10.4.2.

3) It must be considered a minimum distance to earthed, conductive parts:
Lateral: 20mm/Above: 50mm

3a) Lateral: 50mm/Above: 100mm

4) Type tested with NH fuse-links characteristic gG

Type					Baseplate mounting		Busbar mounting	
Cable terminal	Flat terminal		Bolt diameter	–	–	M8		
			Tightening torque	M _a	Nm	12-15		
	Clip terminal	S00-70	Clamping cross-section	–	mm²	○: 1,5-70 Cu □: 6 x 9 x 0,8 Cu		
			Tightening torque	M _a	Nm	2,6		
	Clamp	P00-70 P00-95	Clamping cross-section	–	mm²	10-70 Al/Cu 35-95 Al/Cu		
			Tightening torque	M _a	Nm	2,6		
	Clamp	R95	Clamping cross-section	–	mm²	1,5-95 Al/Cu (Al 95: max. 125A) ⁶⁾		
			Tightening torque	M _a	Nm	4,5		
Degree of protection	Front side Device fitted		Operating condition	–	–	IP20		
			With clamp- and lateral cover	–	–	IP2XC		
			Switching element open	–	–	IP10		
Operating conditions	Ambient temperature ⁵⁾			T _{amb}	°C	-25 up to +55		
	Rated operating mode			–	–	Uninterrupted duty		
	Actuation			–	–	Dependent manual operation		
	Mounting position			–	–	Vertical/horizontal		
	Altitude			–	m	Up to 2000		
	Pollution degree			–	–	3		
	Overvoltage category			–	–	III		

5) 35°C Normal temperature, at 55°C with reduced operating current

6) Pretread Al-conductors mechanically! Cleaning and greasing!

Annotation

- : Round conductor
□: Strip conductor

NH fuse-switch-
disconnectors

Accessories

Technical data

Dimensions

Contact
addresses

Type			KETO-1 Baseplate mounting		KETO-1 Busbar mounting	
Electrical charac- teristics	According to standard		DIN EN 60947-3			
	For NH fuse-links acc. to DIN VDE 0636-2	Size	1			
	Rated operational voltage	U _e V	AC690 DC440			
	Rated operational current ¹⁾	I _e A	250			
	Conv. free air thermal current with fuse-links ¹⁾	I _{th} A	250			
	Conv. free air thermal current with solid-links ¹⁾	I _{th} A	325	On request		
	Rated frequency	f Hz	40-60			
	Rated insulation voltage	U _i V	AC800			
			1P	3P	1P	3P
	Total power loss at I _{th} (without fuse-links)	P _v W	5	15	7	22
	Power loss at 80% I _{th} (without fuse-links) ²⁾	P _v W	3,2	9,6	4,7	14,1
	Rated impulse withstand voltage	U _{imp} kV	8			
	Utilization category ³⁾	— —	AC-23B (400V/250A) AC-22B (500V/250A) AC-21B (690V/250A) DC-21B (440V/250A) DC-22B (250V/250A)			
	Rated conditional short-circuit current ^{3) 4)}	— kA	120 (500V) 100 (690V)			
	Rated short-time withstand current	I _{cw} kA	8,6/1s			
	Max. permis. power loss per fuse-link	P _a W	23			

1) In case of mounting of several units in low voltage switchgear-combinations, please consider rated diversity factors acc. to DIN EN 61439.

2) Reference value for replacement of devices acc. to DIN EN 61439-1 clause 10.10.4.2.

3) It must be considered a minimum distance to earthed, conductive parts:
Lateral: 20mm/Above: 50mm

4) Type tested with NH fuse-links characteristic gG

Type					KETO-1 Baseplate mounting	KETO-1 Busbar mounting
Cable terminal	Flat terminal		Bolt diameter	–	–	M10
			Tightening torque	M _a	Nm	30-35
	Clip terminal	S1	Clamping cross-section	–	mm²	○: 25-150 Cu □: 6 x 16 x 0,8 Cu
			Tightening torque	M _a	Nm	9,5
	Clamp	P1	Clamping cross-section	–	mm²	10-150 Al/Cu
			Tightening torque	M _a	Nm	4,5
	Clamp	P12	Clamping cross-section	–	mm²	2 x (10-150) Al/Cu
			Tightening torque	M _a	Nm	4,5
		R150	Clamping cross-section	–	mm²	35-150 Al/Cu
			Tightening torque	M _a	Nm	12
Degree of protection	Front side Device fitted		Operating condition	–	–	IP20
			With clamp- and lateral cover	–	–	IP2XC
			Switching element open	–	–	IP10
Operating conditions	Ambient temperature ⁵⁾			T _{amb}	°C	-25 up to +55
	Rated operating mode			–	–	Uninterrupted duty
	Actuation			–	–	Dependent manual operation
	Mounting position			–	–	Vertical/horizontal
	Altitude			–	m	Up to 2000
	Pollution degree			–	–	3
	Overvoltage category			–	–	III

5) 35°C Normal temperature, at 55°C with reduced operating current

Annotation

- : Round conductor
□: Strip conductor

NH fuse-switch-
disconnecter

Accessories

Technical data

Dimensions

Contact
addresses

Type				KETO-2 Baseplate mounting		KETO-2 Busbar mounting		
Electrical charac- teristics	According to standard			DIN EN 60947-3				
	For NH fuse-links acc. to DIN VDE 0636-2		Size		2			
	Rated operational voltage		U _e	V	AC690 DC440			
	Rated operational current ¹⁾		I _e	A	400			
	Conv. free air thermal current with fuse-links ¹⁾		I _{th}	A	400			
	Conv. free air thermal current with solid-links ¹⁾		I _{th}	A	520		On request	
	Rated frequency		f	Hz	40-60			
	Rated insulation voltage		U _i	V	AC800			
					1P	3P	1P	3P
	Total power loss at I _{th} (without fuse-links)		P _v	W	9	28	12	36
	Power loss at 80% I _{th} (without fuse-links) ²⁾		P _v	W	6	17,9	7,7	23
	Rated impulse withstand voltage		U _{imp}	kV	8			
	Utilization category ³⁾		—	—	AC-23B (400V/400A) AC-22B (500V/400A) AC-21B (690V/400A) DC-22B (440V/400A)			
	Rated conditional short-circuit current ^{3) 4)}		—	kA	120 (500V) 100 (690V)			
	Rated short-time withstand current		I _{cw}	kA	15/1s			
	Max. permis. power loss per fuse-link		P _a	W	34			

1) In case of mounting of several units in low voltage switchgear-combinations, please consider rated diversity factors acc. to DIN EN 61439.

2) Reference value for replacement of devices acc. to DIN EN 61439-1 clause 10.10.4.2.

3) It must be considered a minimum distance to earthed, conductive parts:
Lateral: 20mm/Above: 50mm

4) Type tested with NH fuse-links characteristic gG

Type					KETO-2 Baseplate mounting	KETO-2 Busbar mounting
Cable terminal	Flat terminal		Bolt diameter	–	–	M10
			Tightening torque	M _a	Nm	30-35
	Clip terminal	S2	Clamping cross-section	–	mm ²	○: 25-150 Cu □: 10 x 16 x 0,8 Cu
			Tightening torque	M _a	Nm	23
	Clamp	P2	Clamping cross-section	–	mm ²	120-240 Al/Cu
			Tightening torque	M _a	Nm	11
	Clamp	P22	Clamping cross-section	–	mm ²	2 x (120-150) Al/Cu
			Tightening torque	M _a	Nm	11
		R300	Clamping cross-section	–	mm ²	95-300 Al/Cu
			Tightening torque	M _a	Nm	20
Degree of protection	Front side Device fitted		Operating condition	–	–	IP20
			With clamp- and lateral cover	–	–	IP2XC
			Switching element open	–	–	IP10
Operating conditions	Ambient temperature ⁵⁾			T _{amb}	°C	-25 up to +55
	Rated operating mode			–	–	Uninterrupted duty
	Actuation			–	–	Dependent manual operation
	Mounting position			–	–	vertical/horizontal
	Altitude			–	m	Up to 2000
	Pollution degree			–	–	3
	Overvoltage category			–	–	III

5) 35°C Normal temperature, at 55°C with reduced operating current

Annotation

- : Round conductor
□: Strip conductor

NH fuse-switch-
disconnecter

Accessories

Technical data

Dimensions

Contact
addresses

Type				KETO-3 Baseplate mounting		KETO-3 Busbar mounting						
Electrical charac- teristics	According to standard			DIN EN 60947-3								
	For NH fuse-links acc. to DIN VDE 0636-2		Size		3							
	Rated operational voltage		U _e	V	AC690 DC440							
	Rated operational current ¹⁾		I _e	A	630							
	Conv. free air thermal current with fuse-links ¹⁾		I _{th}	A	630							
	Conv. free air thermal current with solid-links ¹⁾		I _{th}	A	910		On request					
	Rated frequency		f	Hz	40-60							
	Rated insulation voltage		U _i	V	AC800							
				1P		3P		1P		3P		
	Total power loss at I _{th} (without fuse-links)		P _v	W	17		51		29		86	
	Power loss at 80% I _{th} (without fuse-links) ²⁾		P _v	W	10,9		32,6		18,3		55	
	Rated impulse withstand voltage		U _{imp}	kV	8							
	Utilization category ³⁾		—	—	AC-23B (630A/400V) AC-22B (630A/500V) AC-21B (630A/690V) DC-22B (630A/440V)							
	Rated conditional short-cirquit current ^{3) 4)}		—	kA	120 (500V) 100 (690V)							
	Rated short-time withstand current		I _{cw}	kA	15kA/1s							
	Max. permis. power loss per fuse-link		P _a	W	48							

1) In case of mounting of several units in low voltage switchgear-combinations, please consider rated diversity factors acc. to DIN EN 61439.

2) Reference value for replacement of devices acc. to DIN EN 61439-1 clause 10.10.4.2.

3) It must be considered a minimum distance to earthed, conductive parts:
Lateral: 20mm/Above: 50mm

4) Type tested with NH fuse-links characteristic gG

Type					KETO-3 Baseplate mounting	KETO-3 Busbar mounting
Cable terminal	Flat terminal		Bolt diameter	–	–	M10/M12
			Tightening torque	M _a	Nm	30-35
	Clip terminal	S3	Clamping cross-section	–	mm²	□: 11 x 21 x 1 Cu
			Tightening torque	M _a	Nm	23
	Clamp	P3	Clamping cross-section	–	mm²	120-300 Al/Cu
			Tightening torque	M _a	Nm	11
	Clamp	P32	Clamping cross-section	–	mm²	2 x (120-240) Al/Cu
			Tightening torque	M _a	Nm	11
		R300	Clamping cross-section	–	mm²	95-300 Al/Cu
			Tightening torque	M _a	Nm	20
Degree of protection	Front side Device fitted		Operating condition	–	–	IP20
			With clamp- and lateral cover	–	–	IP2XC
			Switching element open	–	–	IP10
Operating conditions	Ambient temperature ⁵⁾			T _{amb}	°C	-25 up to +55
	Rated operating mode			–	–	Uninterrupted duty
	Actuation			–	–	Dependent manual operation
	Mounting position			–	–	vertical/horizontal
	Altitude			–	m	Up to 2000
	Pollution degree			–	–	3
	Overvoltage category			–	–	III

5) 35°C Normal temperature, at 55°C with reduced operating current

Annotation

- : Round conductor
- : Strip conductor

NH fuse-switch-disconnector

Accessories

Technical data

Dimensions

Contact addresses



Technical data for electronic fuse monitoring unit ES10

Type			
Electrical characteristics	Rated operational voltage	V	AC400-500 (+/-10%)
	Power supply	–	Self-powered
	Input power	VA	1,5
	Overvoltage category	–	230/400V : III (4kV) 500V : II
	Frequency	Hz	50-60
	Input resistance	–	>1k Ohm/V

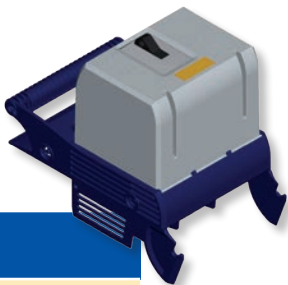


No single detection of parallel connected fuses!



Output channels	Relay output	–	1NC/1NO
	Maximum voltage	V	AC250/DC24
	Maximum switching current	A	1

General data	Temperature range	°C	-5 up to + 55
	Operation indicator	–	1 LED green
	Alarm indicator	–	3 LED (F1, F2, F3) red
	Degree of protection	–	IP 3X
	Functional test	–	Test key for relay + LEDs
	EMC	–	IEC 61000-4-5/IEC 61000-4-4



Technical data for electromechnical fuse monitoring unit AM

Type				
Safety notes	May not be used for safety monitoring in feeders with power control units where, in the event of a fault, it is possible for a DC feedback of >300V (or >600V where 3 current paths are connected in parallel) to occur. If equipment has to be disconnected on the load side of the fuses to be monitored, make sure that no parasitic voltages can arise in the circuit-breaker that is connected in parallel with the fuse-monitoring device.			
Electrical characteristics	Rated operational voltage	U _e	V	AC24...690 DC24...150
	Rated short-circuit breaking capacity	I _{cn}	kA	100
	Overvoltage category	–	–	230/400V : III (4kV) 500V : II
<div><div>⚠</div><div>No single detection of parallel connected fuses!</div><div>⚠</div></div>				
Output channels	Relay output	–		1NC/1NO
	Maximum voltage		V	AC230/DC24
	Maximum switching current		A	AC3/DC1
Connection	<div><div><div>U_e</div><div>AC 24...690V</div><div></div></div><div><div>DC 24...150V</div><div></div></div></div>			

NH fuse-switch-disconnector

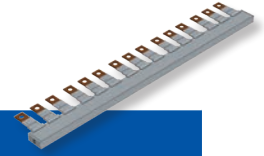
Accessories

Technical data

Dimensions

Contact addresses

Technical data for phase busbars



Type	
Standards	IEC 60947-1:2007
Insulation coordination	Overvoltage cat. III/degree of pollution 2

Electrical data			
	mm ²	35	50
Impulse voltage strenght	kV	≥6,5	≥8,5
Min. air distance	mm	>6	>8
Min. creeping distance	mm	>8,5	>9
Max. operating voltage	V	AC690	
Protection class	–	IP20	
Short circuit rating	–	IPK=25kA/0,1s (Surge energy capacity I _{pk}) I _{cc} 100kA - NH3 355A gL500V JM	
Dielectric strenght	kV/mm	≥32	

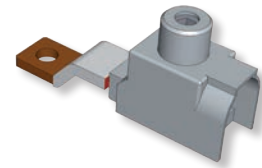
Capacity at 35°C ambient temperature depending of feeding point					
Cross section	mm ²	35		50	
Busbar lenght	mm	Max. 1000	Max. 300	Max. 1000	Max. 300

Feeding at beginning/ending

Max. current I _s /Phase	A	125	200	160	250
Connection cross current	mm ²	35	70	50	95

Other feedings

Max. feeding current I _e /Phase	A	160	250	160	250
Connection cross current	mm ²	70	95	70	95



Technical data for feeding clamps

Type	
Heat deflection temp.	125°C UL94: V0
Comparative tracking index	600
Regulations	EN 60998-1:2004; EN 60998-2:2004; EN 60999-1:2000; EN 60999-2:2003

Electrical data	
Max. electrical load	AC690V/DC1000V-250A
Protection class	IP20

Cross sections			
Max. diameter Ø14mm	Conductors		Torque ¹
	single wire	fine wire (with end sleeve)	
	multi wire		
	25mm²-95mm²		
		25mm²-70mm²	13Nm



Important

This Terminal is suitable for Al and Cu conductors. Please pay attention to the common handling guidelines when connecting the Aluminium conductors. Clean and brush the contact surfaces and lubricate them with an appropriate grease.

*NH fuse-switch-
disconnectors*

Accessories

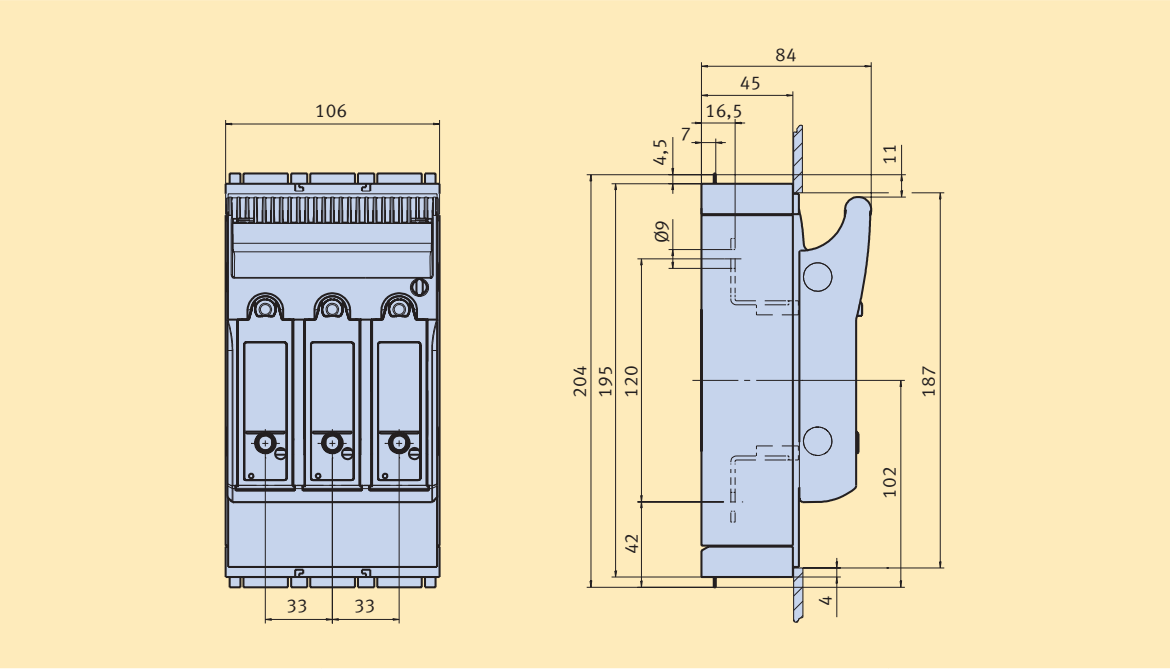
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Dimensions

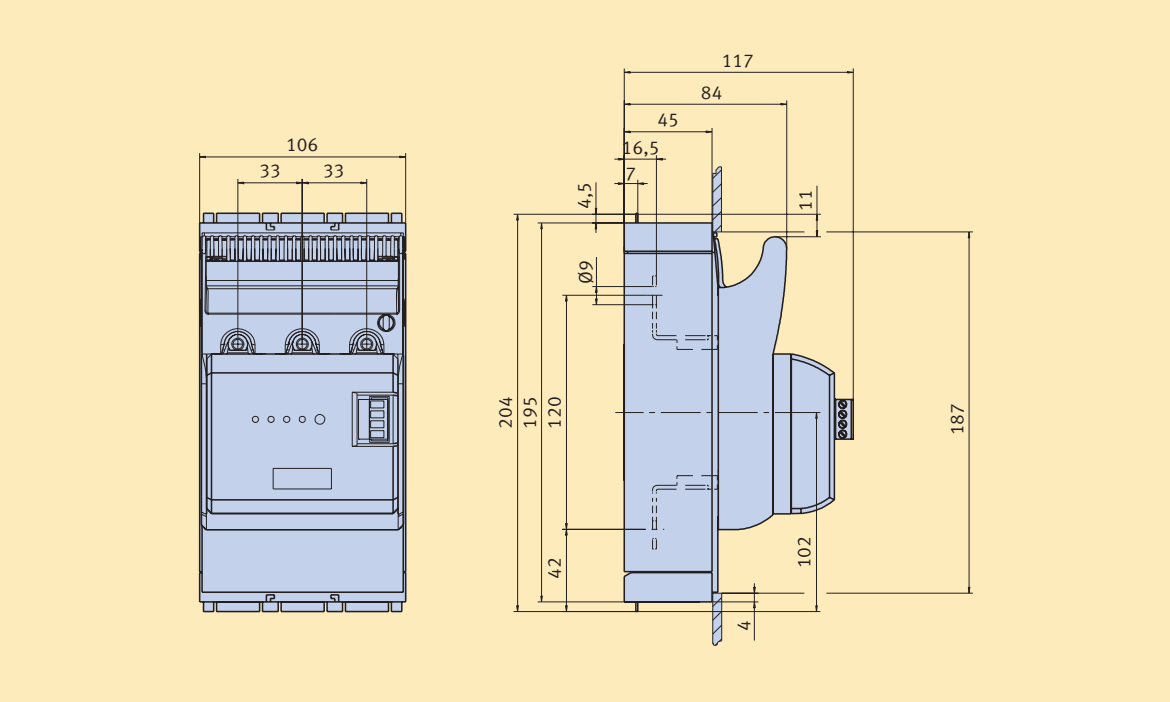
*Contact
addresses*

Dimensions

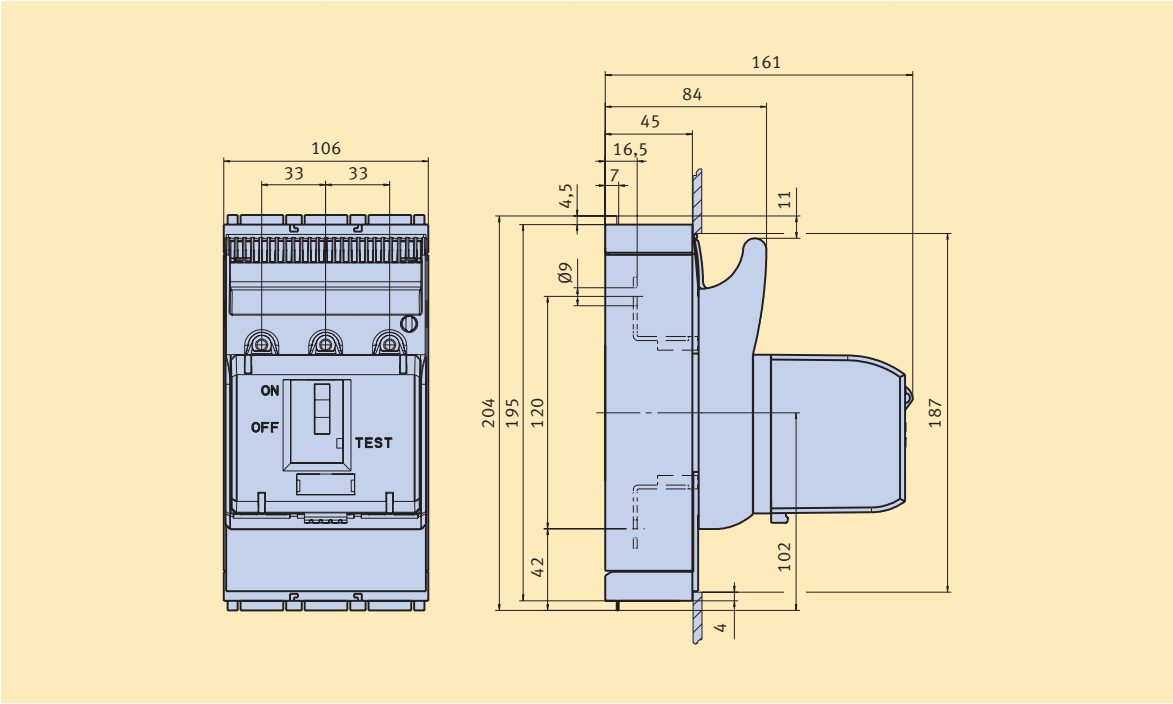
Type	Page	Type	Page
KETO-00-3/F	T-15	KETO-00-3/F/ESL	T-15
KETO-00-3/R95	T-15	KETO-00-3/R95/ESL	T-15



Type	Page	Type	Page
KETO-00-3/F/ES10	T-16	KETO-00-3/R95/ES10	T-16



Type	Page	Type	Page
KETO-00-3/F/AM	T-16	KETO-00-3/R95/AM	T-16



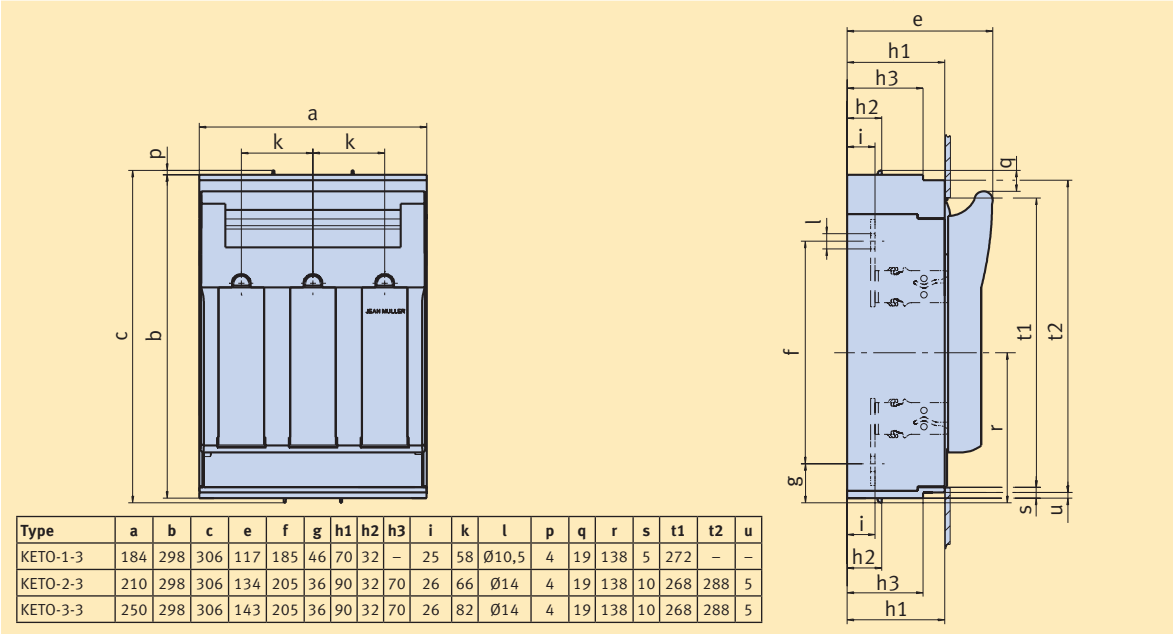
NH fuse-switch-disconnector

Accessories

Technical data

Type	Page	Type	Page
KETO-1-3/F/(ESL)	T-15 (T-16)	KETO-2-3/R300/(ESL)	T-15
KETO-1-3/R150/(ESL)	T-15 (T-16)	KETO-3-3/F/(ESL)	T-15
KETO-2-3/F/(ESL)	T-15 (T-16)	KETO-3-3/R300/(ESL)	T-15

Dimensions

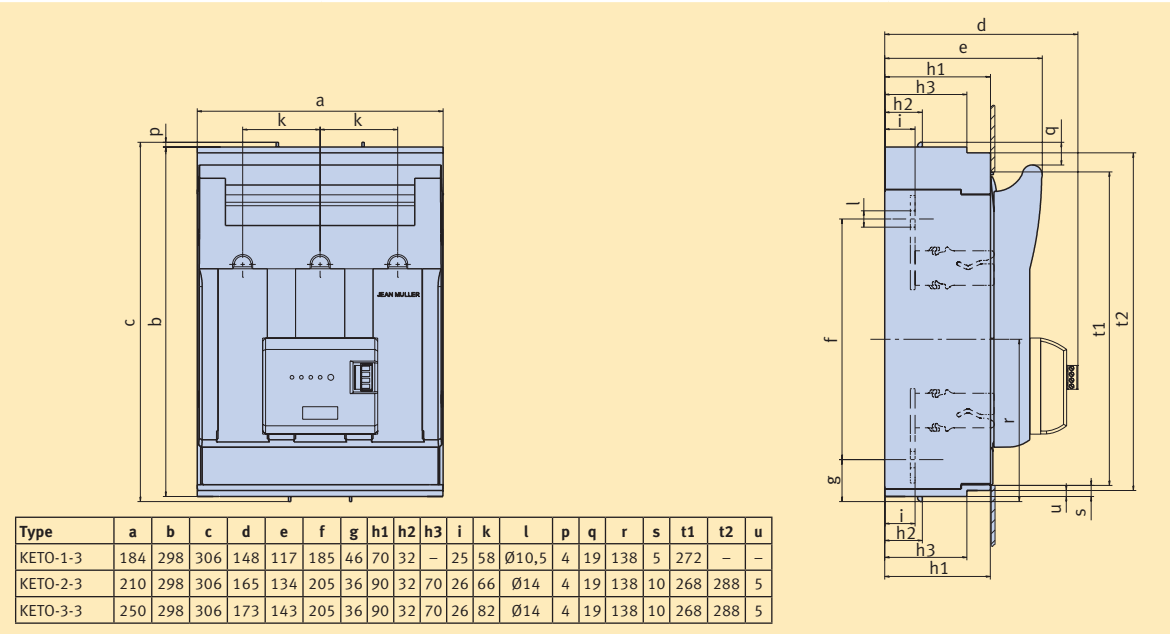


Contact addresses

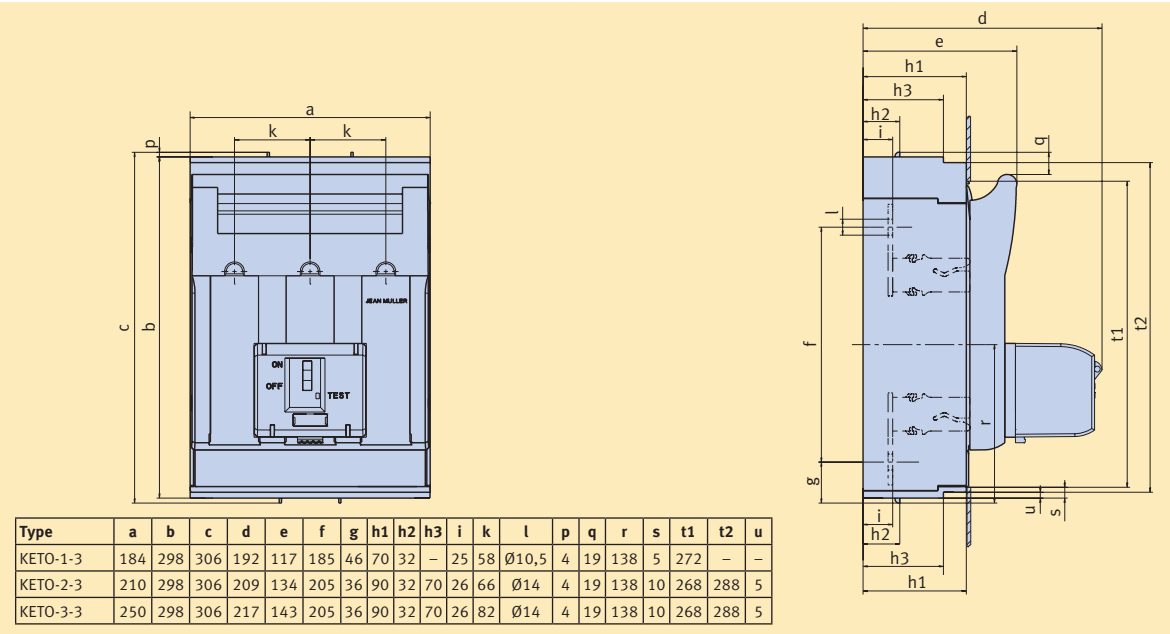
Type	a	b	c	e	f	g	h1	h2	h3	i	k	l	p	q	r	s	t1	t2	u
KETO-1-3	184	298	306	117	185	46	70	32	—	25	58	Ø10,5	4	19	138	5	272	—	—
KETO-2-3	210	298	306	134	205	36	90	32	70	26	66	Ø14	4	19	138	10	268	288	5
KETO-3-3	250	298	306	143	205	36	90	32	70	26	82	Ø14	4	19	138	10	268	288	5

Dimensions

Type	Page	Type	Page
KETO-1-3/F/ES10	T-15	KETO-2-3/R300/ES10	T-16
KETO-1-3/R150/ES10	T-15	KETO-3-3/F/ES10	T-16
KETO-2-3/F/ES10	T-15	KETO-3-3/R300/ES10	T-16

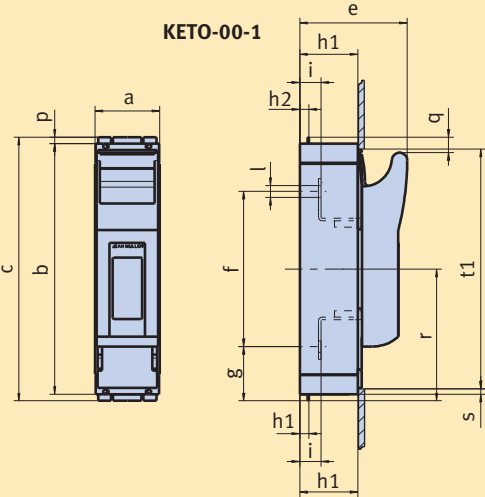


Type	Page	Type	Page
KETO-1-3/F/AM	T-16	KETO-2-3/R300/AM	T-16
KETO-1-3/R150/AM	T-16	KETO-3-3/F/AM	T-16
KETO-2-3/F/AM	T-16	KETO-3-3/R300/AM	T-16

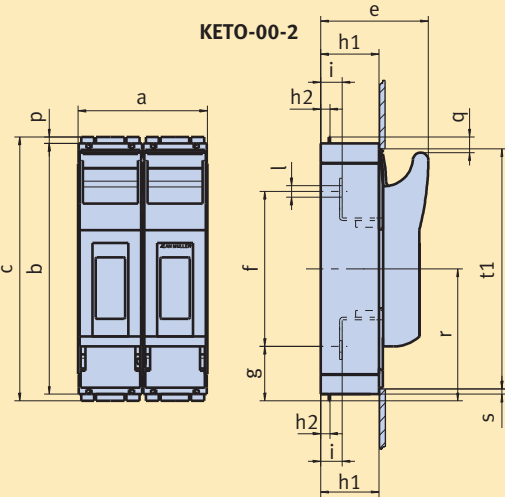


Type	Page
KETO-00-1/F	T-17
KETO-00-2/F	T-17
KETO-00-1/R95	T-17

KETO-00-1



KETO-00-2



Type	a	b	c	e	f	g	h1	h2	h3	i	l	p	q	r	s	t1
KETO-00-1	50	195	204	84	120	42	45	7	-	16,5	Ø9	4,5	12	102	5	187
KETO-00-2	100	195	204	84	120	42	45	7	-	16,5	Ø9	4,5	12	102	5	187

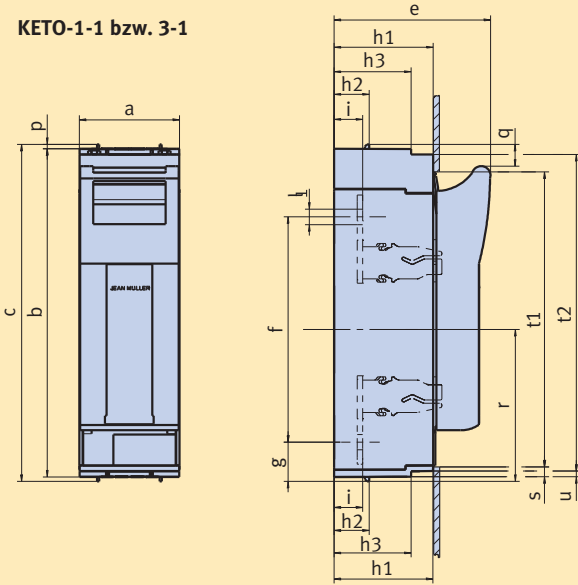
NH fuse-switch-disconnector

Accessories

Technical data

Type	Page	Type	Page
KETO-1-1/F	T-17	KETO-3-1/F	T-17

KETO-1-1 bzw. 3-1



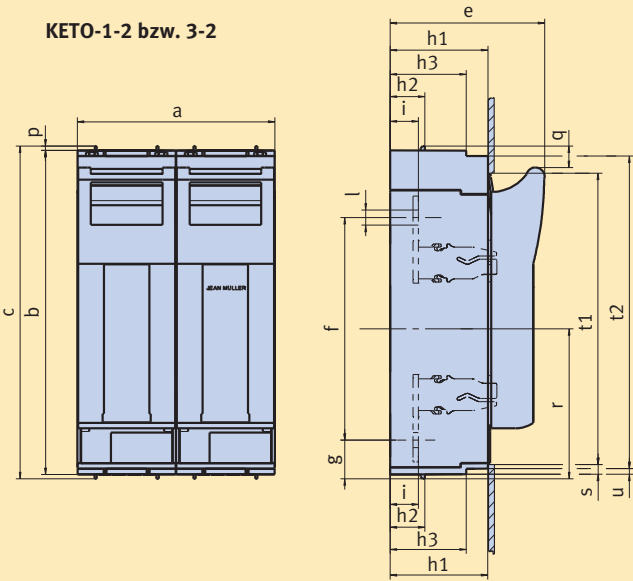
Type	a	b	c	e	f	g	h1	h2	h3	i	l	p	q	r	s	t1	t2	u
KETO-1-1	69	298	306	117	185	46	70	32	-	25	Ø10,5	4	19	138	5	272	-	-
KETO-3-1	91	298	306	143	205	36	90	32	70	26	Ø14	4	19	138	10	268	288	5

Dimensions

Contact addresses

Dimensions

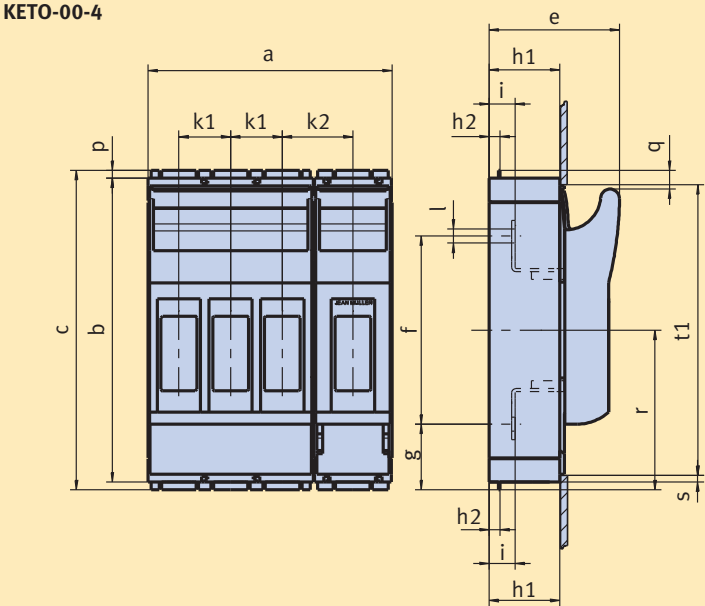
Type	Page	Type	Page
KETO-1-2/F	T-17	KETO-3-2/F	T-17



Type	a	b	c	e	f	g	h1	h2	h3	i	l	p	q	r	s	t1	t2	u
KETO-1-2	138	298	306	117	185	46	70	32	-	25	Ø10,5	4	19	138	5	272	-	-
KETO-3-2	182	298	306	143	205	36	90	32	70	26	Ø14	4	19	138	10	268	288	5

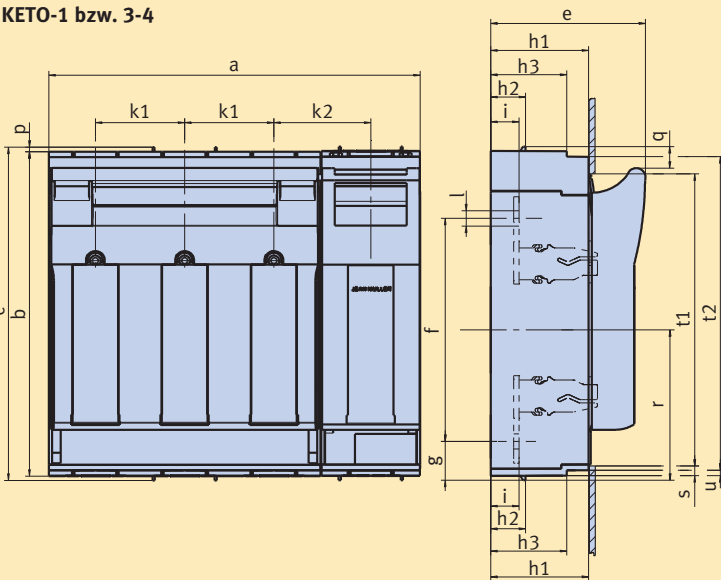
Type	Page
KETO-00-4/F	T-17

Type	a	b	c	e	f	g	h1	h2	h3	k1	k2	i	l	p	q	r	s	t1	t2	u
KETO-00-4	156	195	204	84	120	42	45	7	-	33	45	16,5	Ø9	4,5	12	102	5	187	-	-



Type	Page	Type	Page
KETO-1-4/F	T-17	KETO-3-4/F	T-17

Type	a	b	c	e	f	g	h1	h2	h3	k1	k2	i	l	p	q	r	s	t1	t2	u
KETO-1-4	254	298	306	117	185	46	70	32	—	58	69	25	Ø10,5	4	19	138	5	272	—	—
KETO-3-4	341,5	298	306	143	205	36	90	32	70	82	89	26	Ø14	4	19	138	10	268	288	5



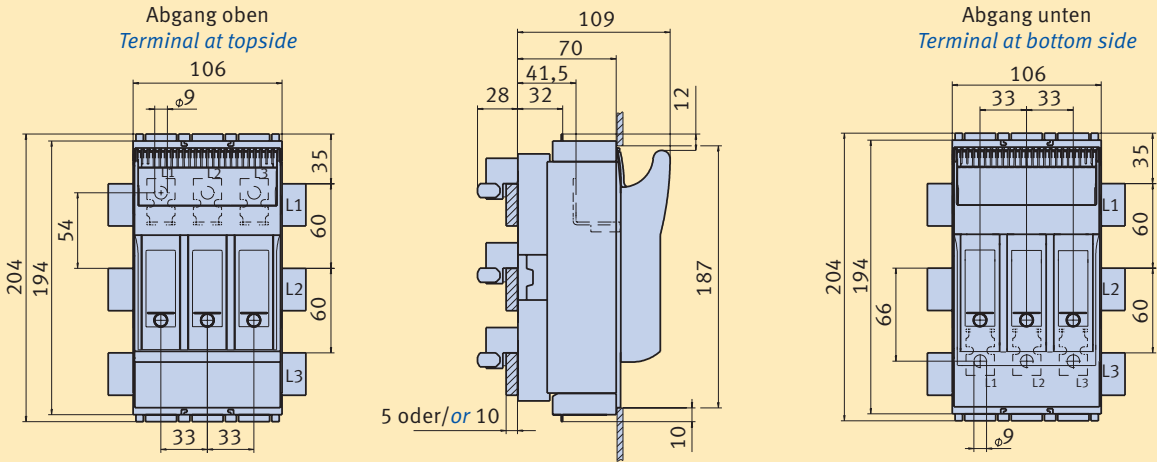
NH fuse-switch-disconnector

Accessories

Technical data

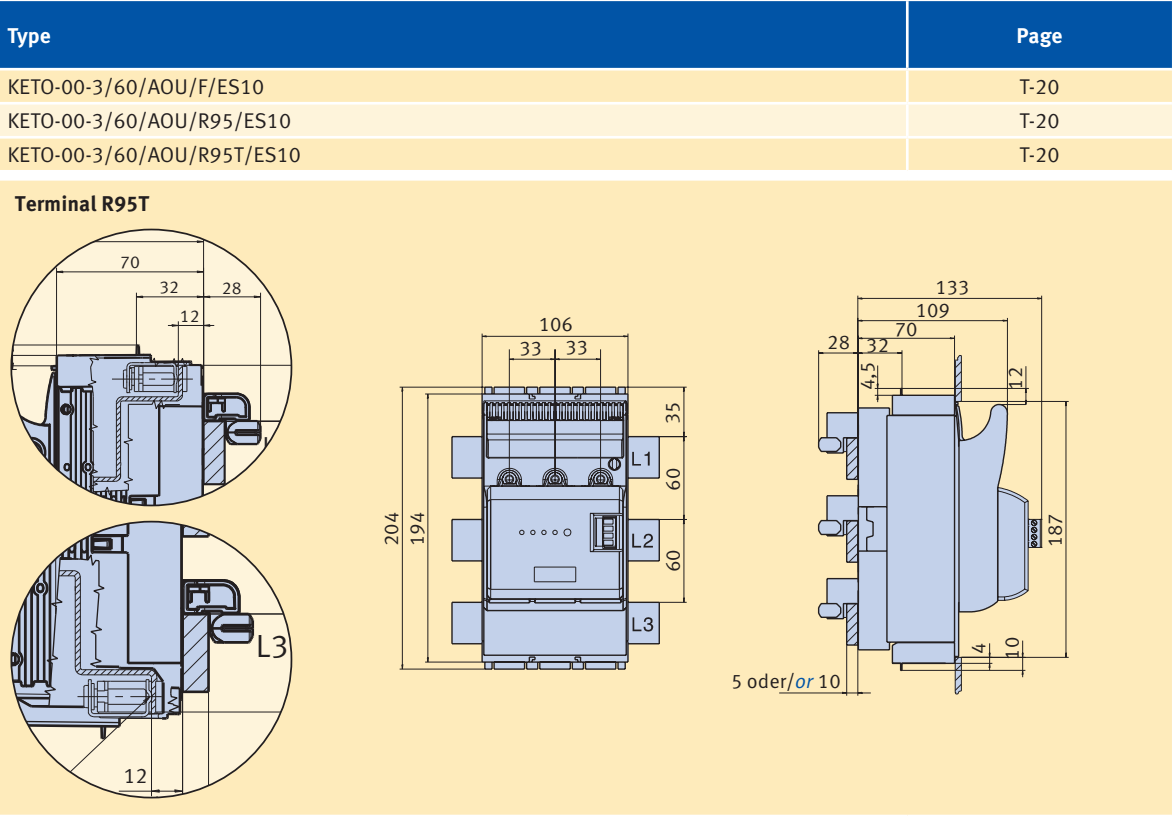
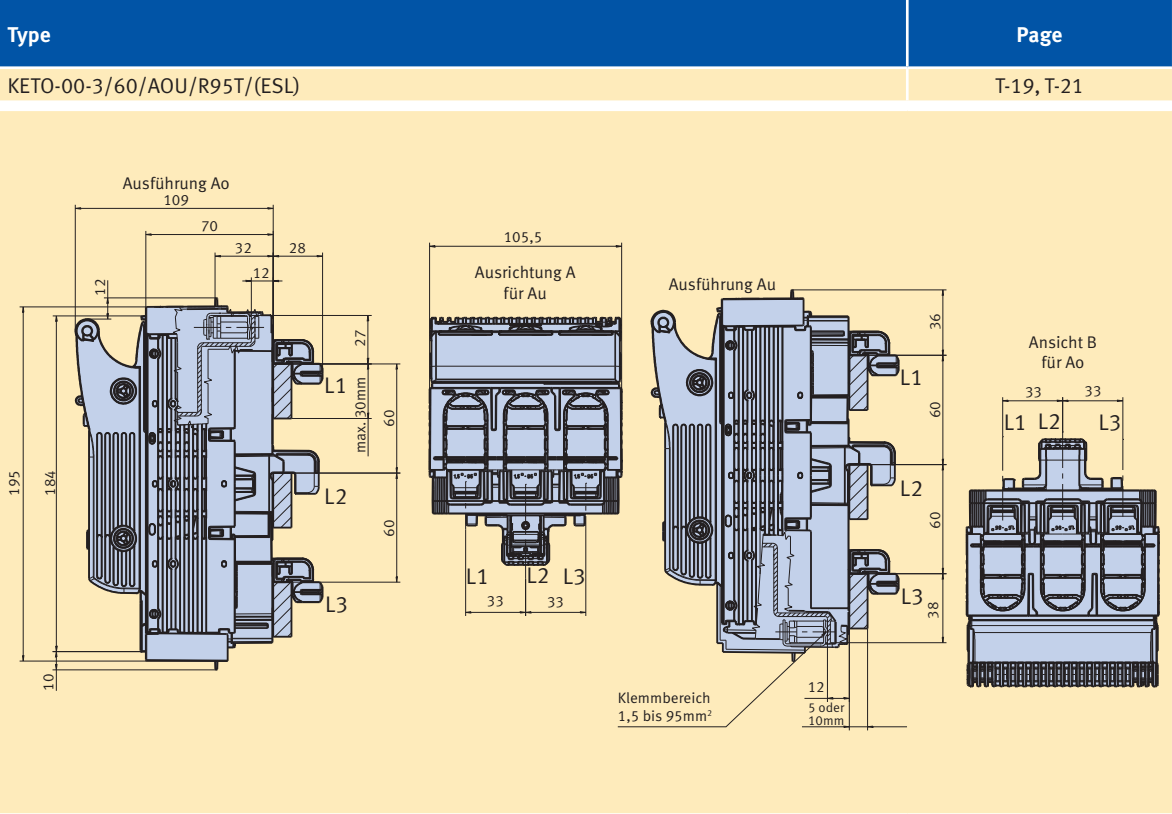
Type	Page
KETO-00-3/60/AOU/F/(ESL, EST)	T-19, T-21
KETO-00-3/60/AOU/R95/(ESL, EST)	T-19, T-21

Dimensions



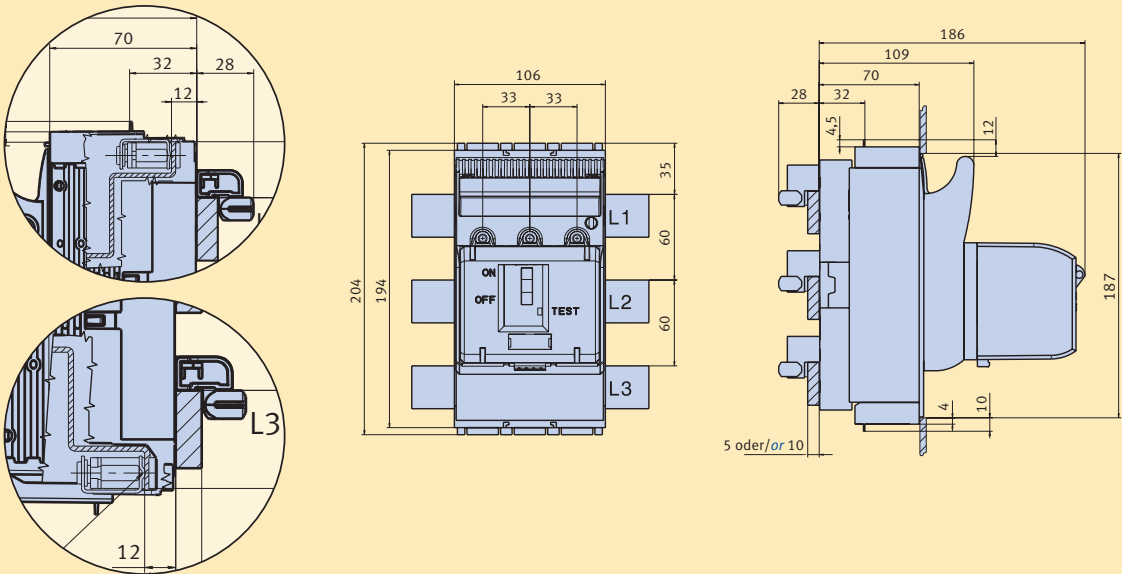
Contact addresses

Dimensions

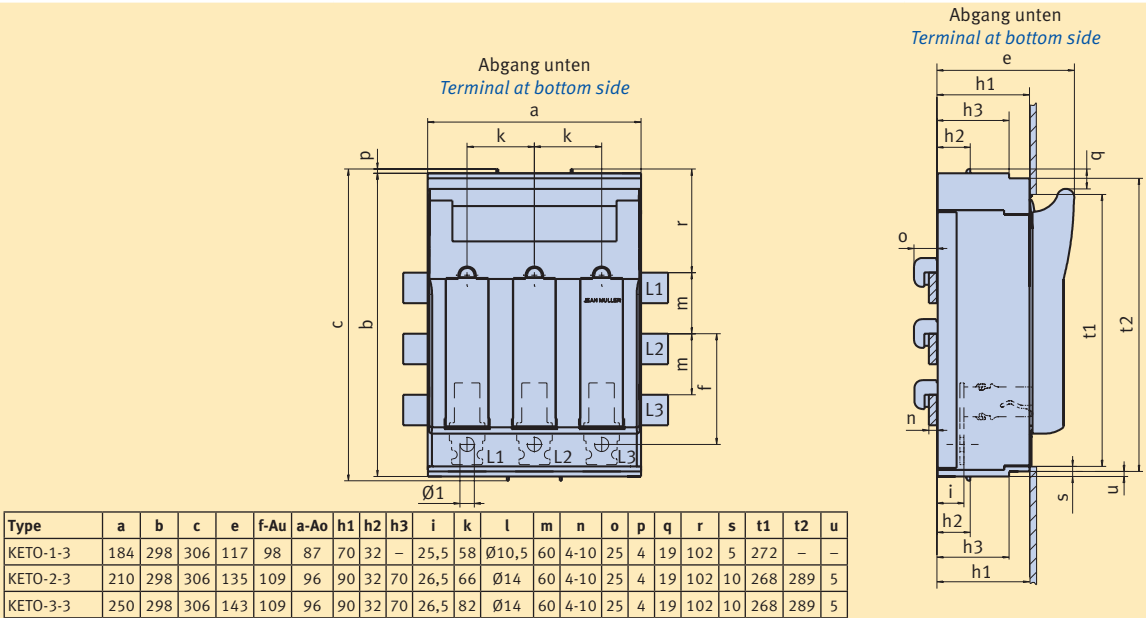


Type	Page
KETO-00-3/60/AOU/F/AM	T-20
KETO-00-3/60/AOU/R95/AM	T-20
KETO-00-3/60/AOU/R95T/AM	T-20

Terminal R95T



Type	Page	Type	Page
KETO-1-3/60/AOU/F/(ESL, EST)	T-19ff.	KETO-2-3/60/AOU/R300/(ESL, EST)	T-19ff.
KETO-1-3/60/AOU/R150/(ESL, EST)	T-19ff.	KETO-3-3/60/AOU/F/(ESL, EST)	T-19ff.
KETO-2-3/60/AOU/F/(ESL, EST)	T-19ff.	KETO-3-3/60/AOU/R300/(ESL, EST)	T-19ff.



Type	a	b	c	e	f-Au	a-Ao	h1	h2	h3	i	k	l	m	n	o	p	q	r	s	t1	t2	u
KETO-1-3	184	298	306	117	98	87	70	32	-	25,5	58	Ø10,5	60	4-10	25	4	19	102	5	272	-	-
KETO-2-3	210	298	306	135	109	96	90	32	70	26,5	66	Ø14	60	4-10	25	4	19	102	10	268	289	5
KETO-3-3	250	298	306	143	109	96	90	32	70	26,5	82	Ø14	60	4-10	25	4	19	102	10	268	289	5

NH fuse-switch-disconnector

Accessories

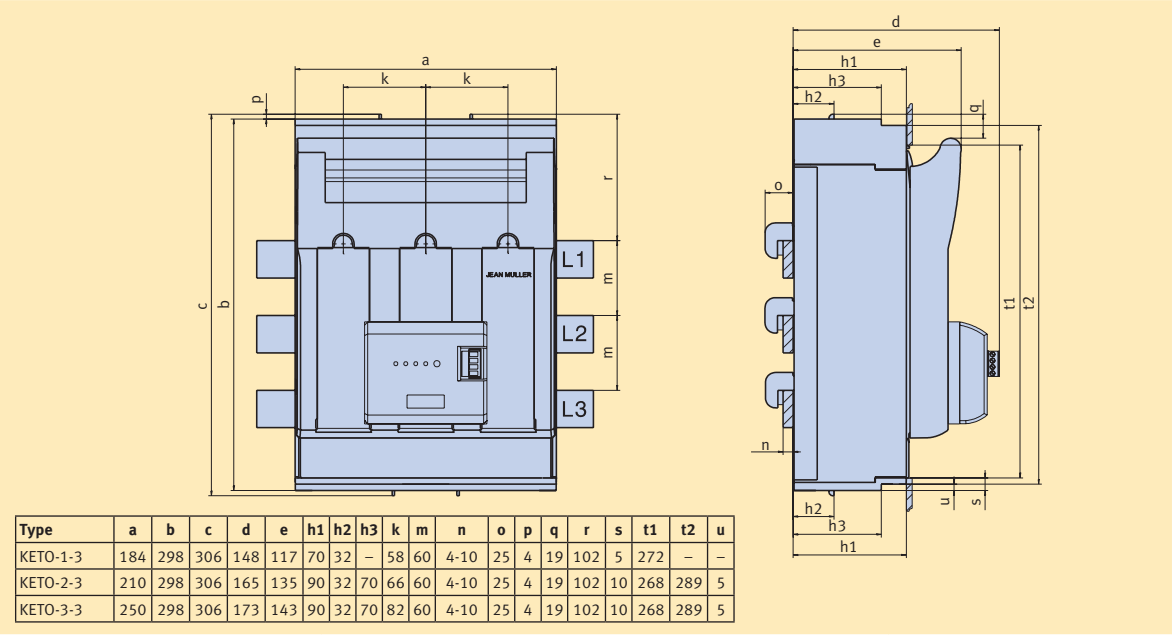
Technical data

Dimensions

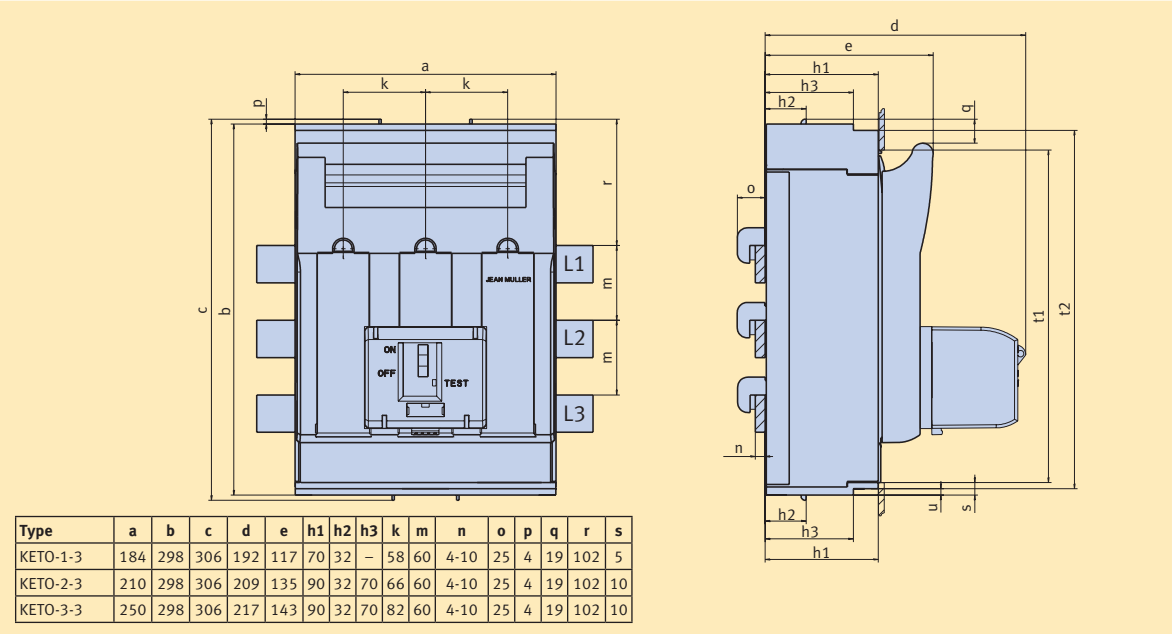
Contact addresses

Dimensions

Type	Page	Type	Page
KETO-1-3/60/AOU/F/ES10	T-19	KETO-2-3/60/AOU/R300/ES10	T-20
KETO-1-3/60/AOU/R150/ES10	T-19	KETO-3-3/60/AOU/F/ES10	T-20
KETO-2-3/60/AOU/F/ES10	T-19	KETO-3-3/60/AOU/R300/ES10	T-20



Type	Page	Type	Page
KETO-1-3/60/AOU/F/AM	T-20	KETO-2-3/60/AOU/R300/AM	T-20
KETO-1-3/60/AOU/R150/AM	T-20	KETO-3-3/60/AOU/F/AM	T-20
KETO-2-3/60/AOU/F/AM	T-20	KETO-3-3/60/AOU/R300/AM	T-20



Type	Page
KETO-1-3/100/AOU/F	T-22
KETO-2-3/100/AOU/F	T-22
KETO-3-3/100/AOU/F	T-22

Type	a	b	c	e	h1	h2	h3	k	m	p	q	r-Au	r-Ao	s	t1	t2	u
KETO-1-3	184	298	306	146	99	61	—	58	100	4	19	68	68	5	272	—	—
KETO-2-3	210	298	306	144	99	41	79	66	100	4	19	68	68	10	268	289	5
KETO-3-3	250	298	306	152	99	41	79	82	100	4	19	68	68	10	268	289	5

NH fuse-switch-disconnector

Accessories

Technical data

Type	Page	Type	Page
KETO-00-1/AOU/F	T-23	KETO-00-1/AOU/F/SK	T-23
KETO-00-1/AOU/R95	T-23	KETO-00-1/AOU/R95/SK	T-23

KETO-00-1

Abgang oben (Ao)

Abgang unten (Au)

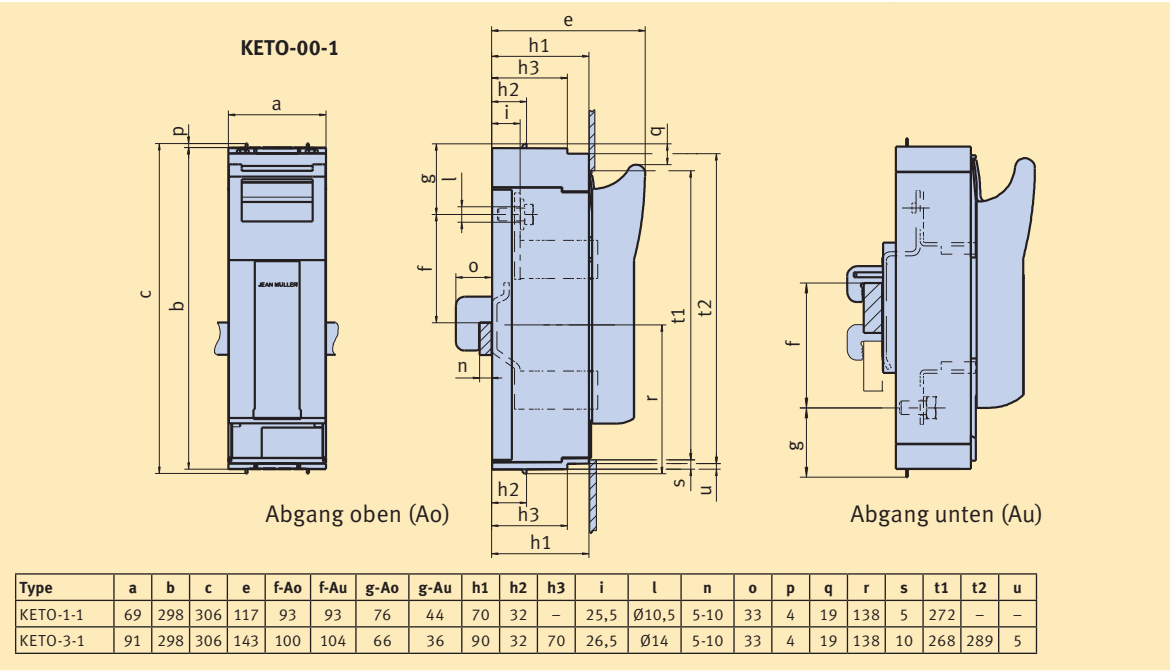
Type	a	b	c	e	f-Ao	f-Au	g-Ao	g-Au	h1	h2	i	l	n	o	p	q	r	s	t1
KETO-00-1	50	195	204	92	45,50,55 ... 75	75,70,65 ... 45	42	42	53	15	24,5	Ø9	4-10	22	4,5	12	102	5	187

Dimensions

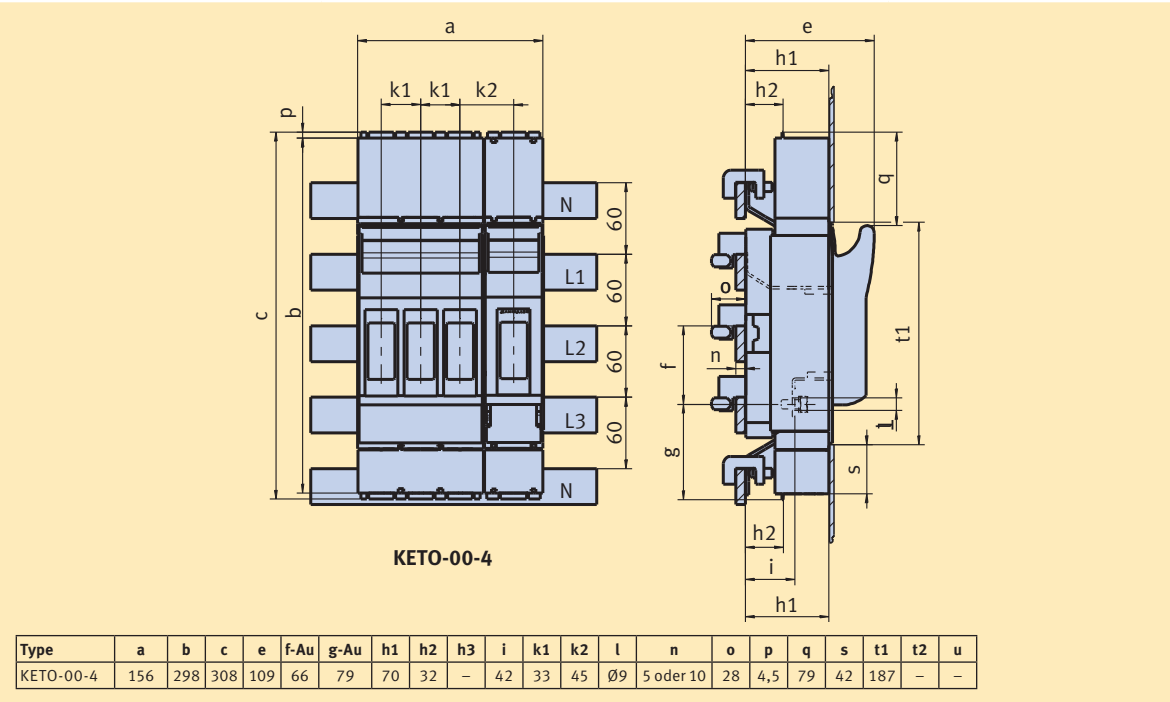
Contact addresses

Dimensions

Type	Page	Type	Page
KETO-1-1/AOU/F	T-23	KETO-1-1/AOU/F/SK	T-23
KETO-3-1/AOU/F	T-23	KETO-3-1/AOU/F/SK	T-23



Type	Page	Type	Page
KETO-00-4/60/AO/F	T-23	KETO-00-4/60/AU/F	T-23



Type	Page	Type	Page
KETO-1-4/60/AO/F	T-23	KETO-1-4/60/AU/F	T-23

KETO-1 bzw. 3-4

Type	a	b	c	e	f-Au	g-Au	h1	h2	h3	i	k1	k2	l	n	o	p	q	s	t1	t2	u
KETO-1-4	254	341	349	117	98	88	70	32	-	25,5	58	69	Ø10,5	4-10	25	4	19	46	272	-	-

NH fuse-switch-disconnector

Accessories

Technical data

Type	Page	Type	Page
AA-KETO-00-3/36	T-24	AA-KETO-00-3/66	T-24

AA-KETO-00-3/36

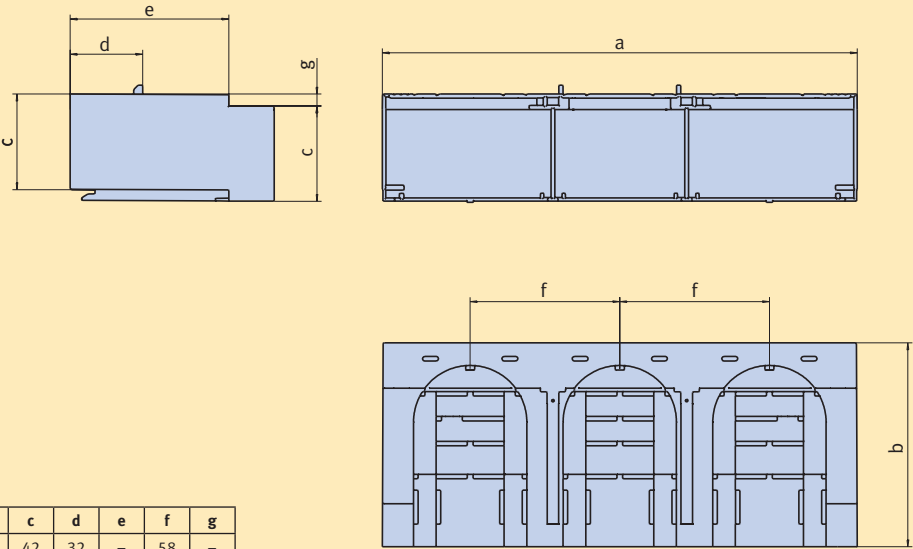
AA-KETO-00-3/66

Dimensions

Contact addresses

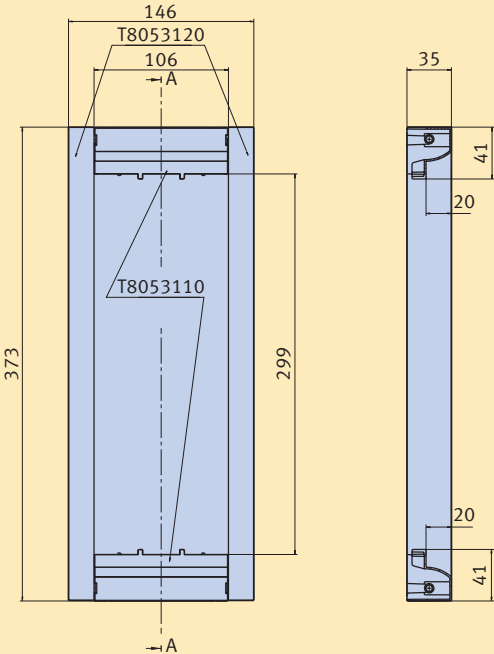
Dimensions

Type	Page
AA-KETO-1-3	T-24
AA-KETO-2-3	T-24
AA-KETO-3-3	T-24

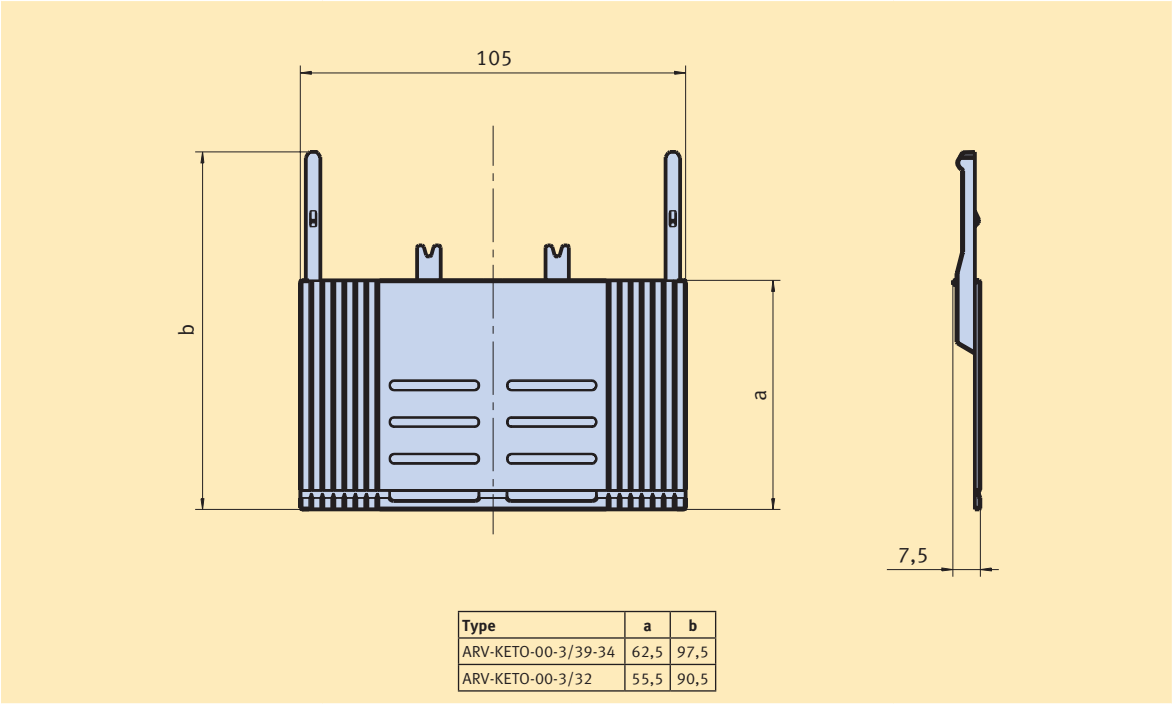


Type	a	b	c	d	e	f	g
AA-KETO-1-3	184	70	42	32	—	58	—
AA-KETO-2-3	210	90	42	32	70	66	5
AA-KETO-3-3	250	90	42	32	70	82	5

Type	Page	Type	Page
HAA-KETO-00-3/70-90/OU	T-25	HAA-KETO-00-3/70-90/SRL	T-25



Type	Page	Type	Page
ARV-KETO-00-3/39-34	T-25	ARV-KETO-00-3/32	T-25

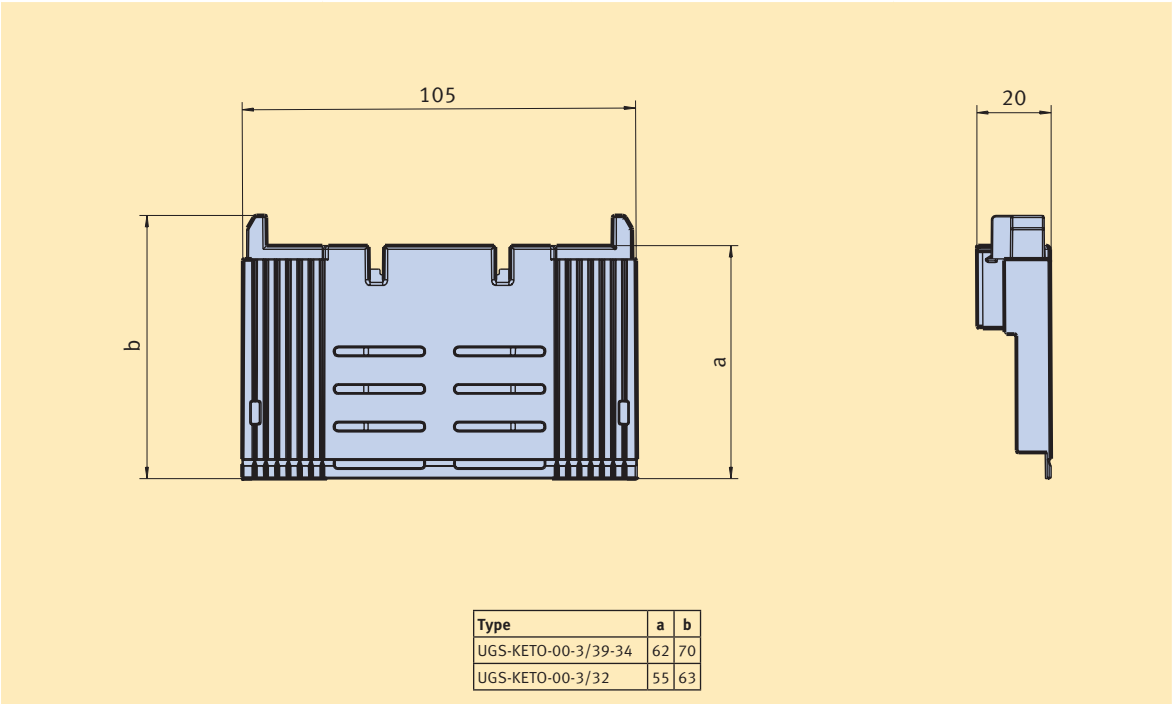


NH fuse-switch-disconnector

Accessories

Technical data

Type	Page	Type	Page
UGS-KETO-00-3/39-34	T-25	UGS-KETO-00-3/32	T-25

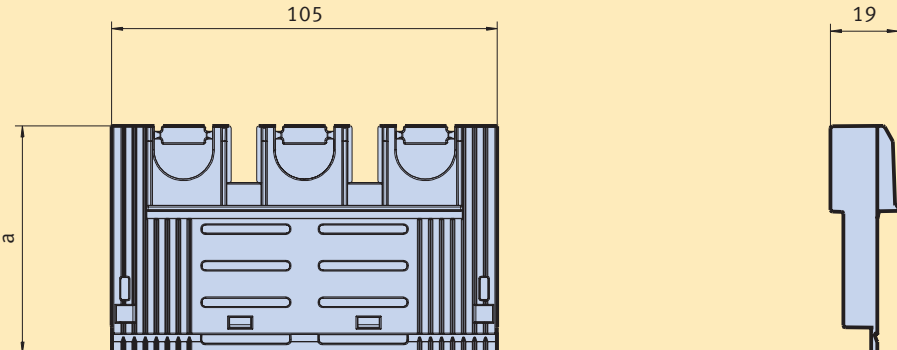


Dimensions

Contact addresses

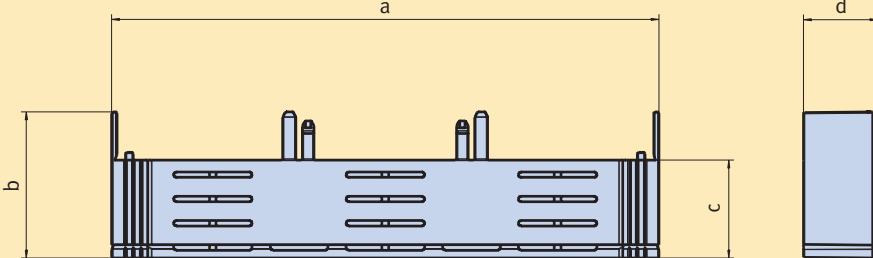
Dimensions

Type	Page	Type	Page
UGS-KETO-00-3/R95/39-34	T-25	UGS-KETO-00-3/R95/32	T-25



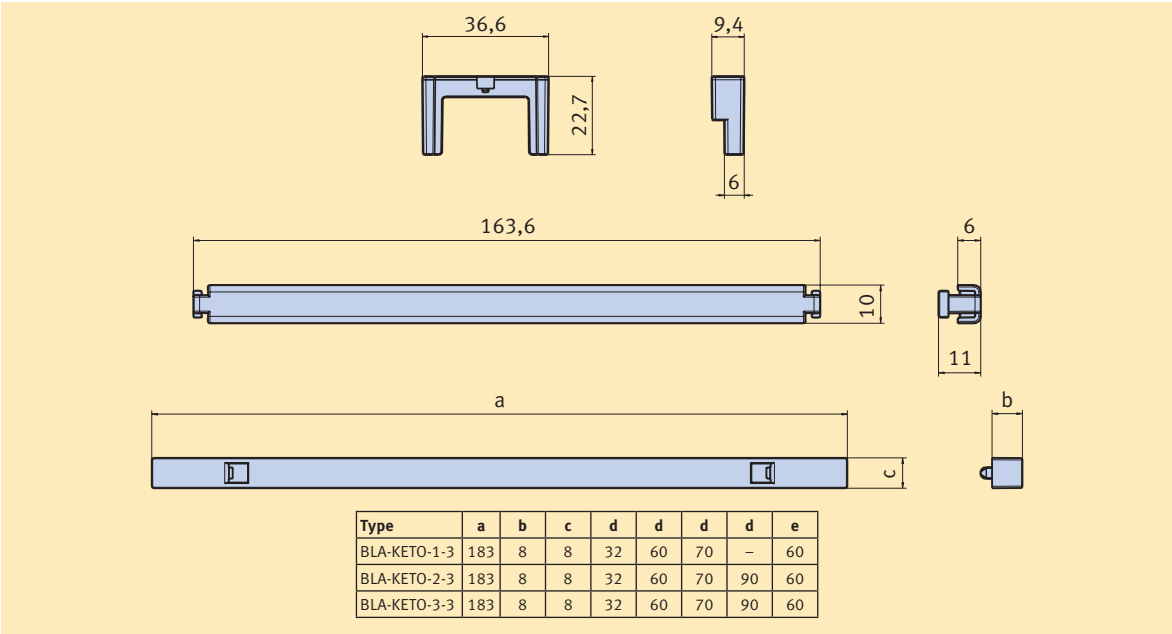
Type	a
UGS-KETO-00-3/R95/39-34	62
UGS-KETO-00-3/R95/32	55

Type	Page	Type	Page
UGS-KETO-1-3/32	T-25	UGS-KETO-2-3/39-34	T-25
UGS-KETO-1-3/39-34	T-25	UGS-KETO-3-3/32	T-25
UGS-KETO-2-3/32	T-25	UGS-KETO-3-3/39-34	T-25



Type	a	b	c	d
UGS-KETO-1-3/32	184	51,5	30,5	16
UGS-KETO-1-3/39-34	184	58,5	37,5	16
UGS-KETO-2-3/32	210	49	30,5	28,5
UGS-KETO-2-3/39-34	210	56	37,5	28,5
UGS-KETO-3-3/32	250	49	30,5	28,5
UGS-KETO-3-3/39-34	250	56	37,5	28,5

Type	Page
BLA-KETO-00-OU	T-25
BLA-KETO-00-SRL	T-25
BLA-KETO-123	T-25

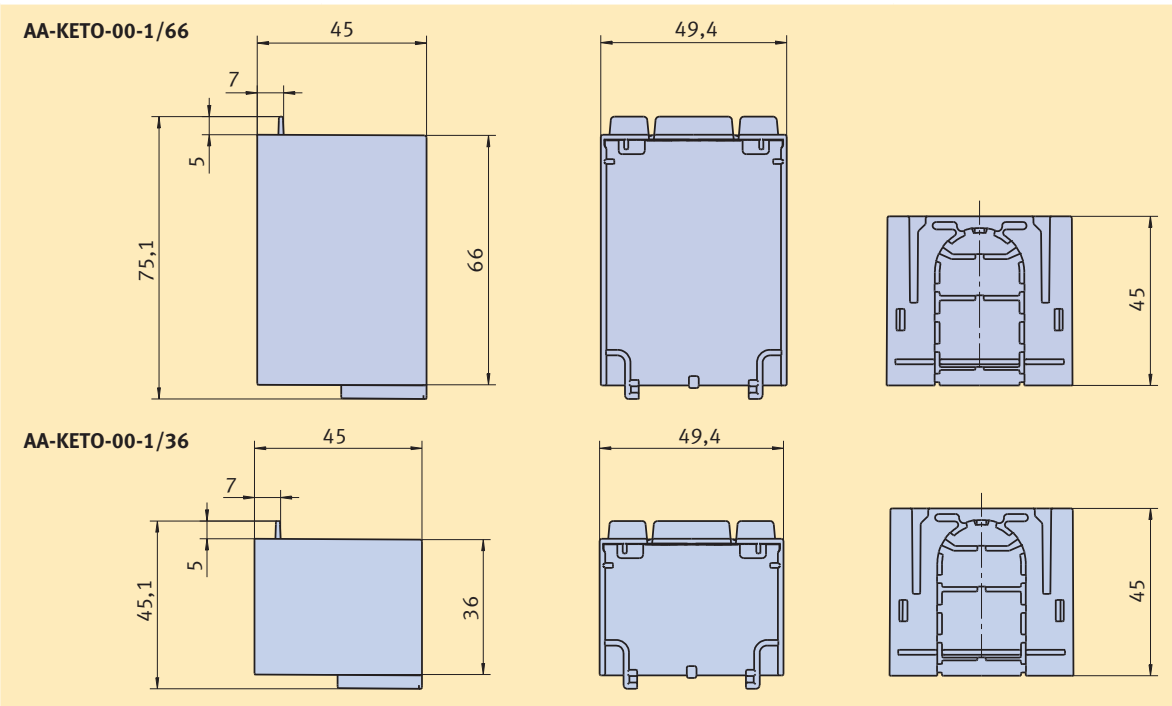


NH fuse-switch-disconnector

Accessories

Technical data

Type	Page	Type	Page
AA-KETO-00-1/66	T-25	AA-KETO-00-1/36	T-25



Dimensions

Contact addresses

Dimensions

Type	Page	Type	Page
AA-KETO-1-1	T-25	AA-KETO-3-1	T-25

AA-KETO-1-1

Technical drawings of the AA-KETO-1-1 unit. The front view shows a width of 70 and a height of 51,2. A detail shows a top flange with a width of 32 and a height of 4. The side view shows a depth of 67,5. The top view shows a height of 70.

AA-KETO-3-1

Technical drawings of the AA-KETO-3-1 unit. The front view shows a total width of 90, with a main body width of 70 and a top flange width of 32. The height is 51,2. A detail shows a top flange with a height of 4. The side view shows a depth of 90,5. The top view shows a height of 90.

This image shows a full page of blank graph paper. The grid consists of thin, light gray horizontal and vertical lines that intersect to form small squares across the entire surface. There are no margins, text, or other markings on the paper.

Contact
addresses

A decorative horizontal bar consisting of two solid-colored stripes: a top blue stripe and a bottom yellow stripe.

[illegible]

This image shows a full page of blank graph paper. The grid consists of small, uniform squares formed by thin, light gray lines. There are no margins, text, or other markings on the page.

T-59

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This image shows a full page of blank graph paper. The grid consists of small, uniform squares formed by thin, light gray lines. There are no margins, text, or other markings on the page.

T-61

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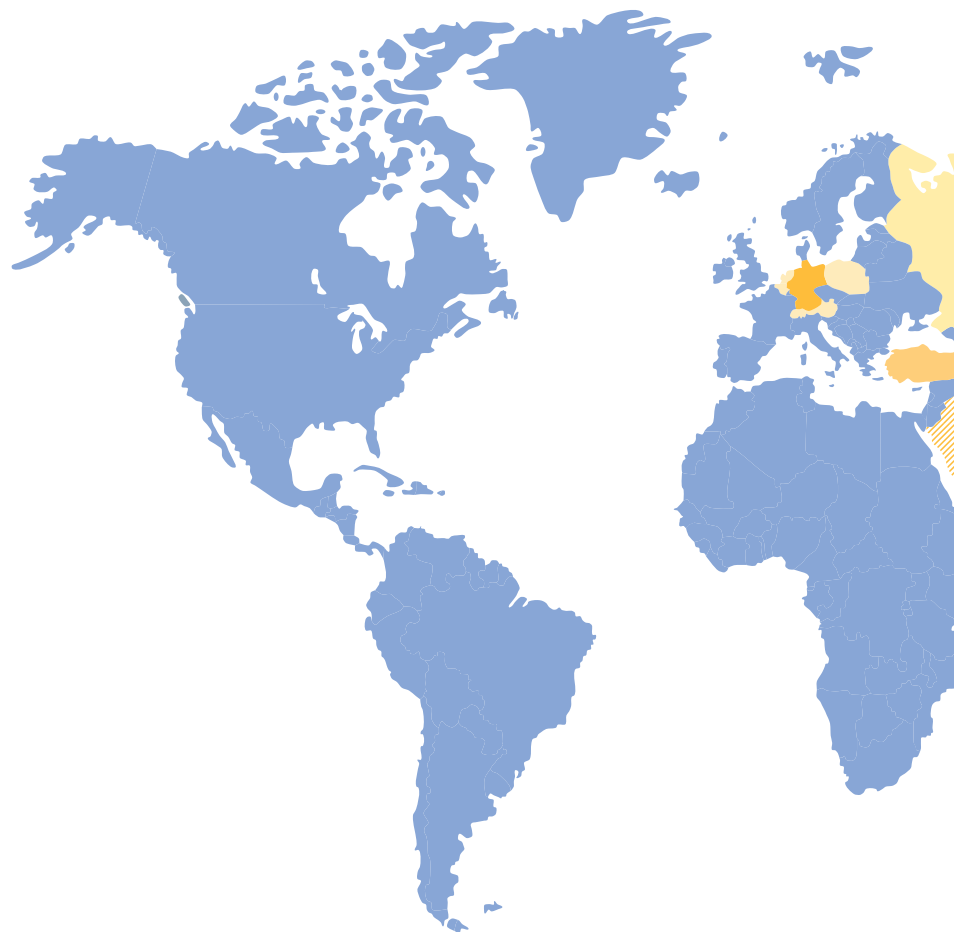
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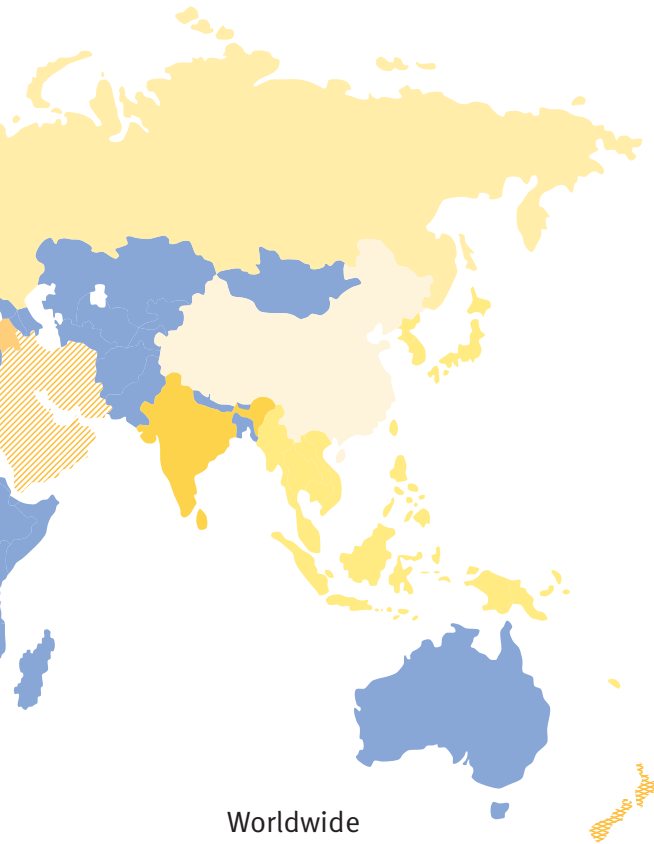
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*NH fuse-switch-
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Accessories

Technical data

Dimensions

*Contact
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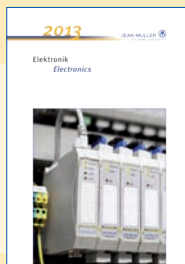
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