

MÜLLER — So verteilt man Strom

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.



*Modulare und flexible Sicherungsschaltleisten für die Energieverteilung.
Modular and flexible fuse switch strips for power distribution.*

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 Größe 00

$I_n = 160A$
Baubreite: 106mm
Systemmaß: 195mm

KETO size 00

$I_n = 160A$
Overall width: 106mm
System size: 195mm

KETO Größe 1

$I_n = 250A$
Baubreite: 184mm
Systemmaß: 300mm

KETO size 1

$I_n = 250A$
Overall width: 184mm
System size: 300mm

KETO Größe 2

$I_n = 400A$
Baubreite: 210mm
Systemmaß: 300mm

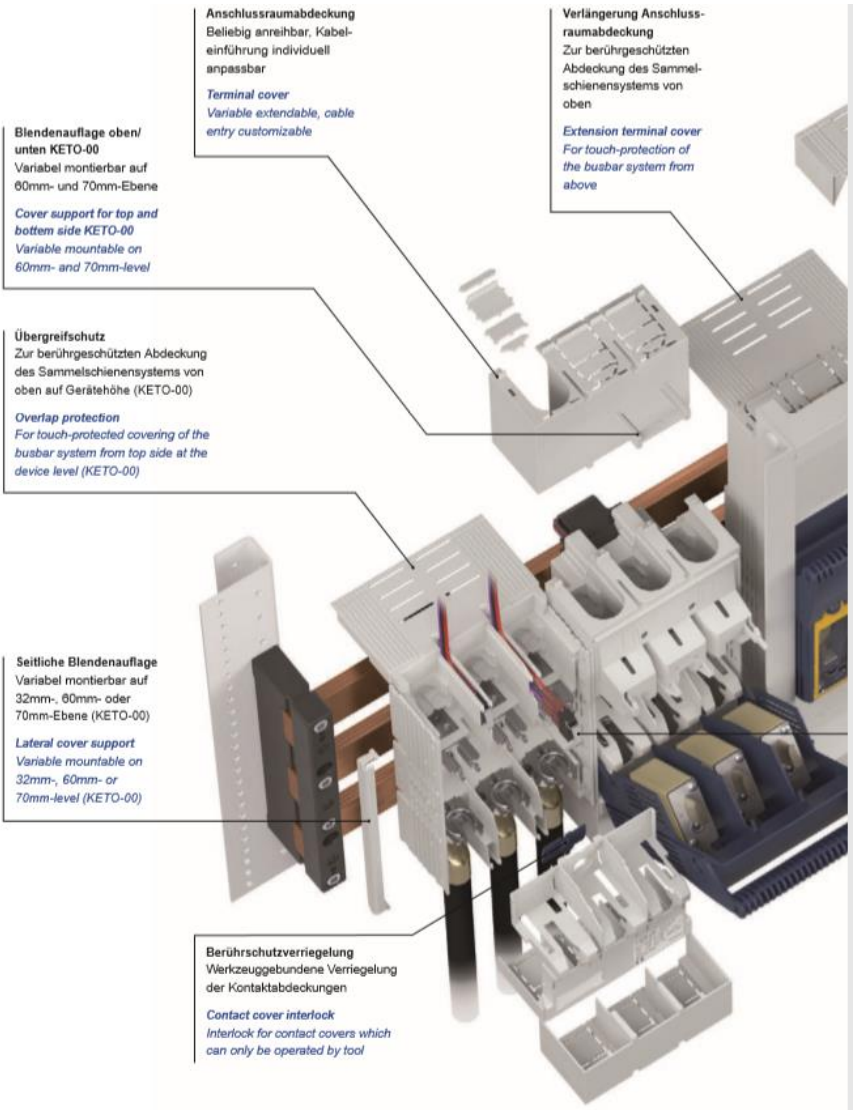
KETO size 2

$I_n = 400A$
Overall width: 210mm
System size: 300mm

Technische Daten

Technical data

Typ Type			KETO-00 Aufbaumontage Baseplate mounting		KETO-00 Sammelschienen- montage Busbar mounting	
		Nach Norm/ <i>According to standard</i>		DIN EN 60947-3		
Elektrische Kenn- größen <i>Electrical charac- teristics</i>	Für NH-Sicherungen nach DIN VDE 0636-2 <i>For NH fuse-links acc. to DIN VDE 0636-2</i>	Größe <i>Size</i>	000/00			
	Bemessungsbetriebsspannung <i>Rated operational voltage</i>	U_e V	AC690 DC440			
	Bemessungsbetriebsstrom ¹⁾ <i>Rated operational current ¹⁾</i>	I_e A	160			
	Konv. therm. Strom frei in Luft mit Sicherungen ¹⁾ <i>Conv. free air thermal current with fuse-links ¹⁾</i>	I_{th} A	160			
	Konv. therm. Strom frei in Luft mit Trennmessern ¹⁾ <i>Conv. free air thermal current with solid-links ¹⁾</i>	I_{th} A	210	Auf Anfrage <i>On request</i>		
	Bemessungsfrequenz/ <i>Rated frequency</i>	f Hz	40-60			
	Bemessungsisolationsspannung <i>Rated insulation voltage</i>	U_i V	AC800			
			1P	3P	1P	3P
	Gesamtverlustleistung bei I_n (ohne Sicherungen) <i>Total power loss at I_n (without fuse-links)</i>	P_v W	3	9	5	14
	Verlustleistung bei 80% I_n (ohne Sicherungen) ²⁾ <i>Power loss at 80% I_n (without fuse-links) ²⁾</i>	P_v W	1,9	5,8	3	9
	Bemessungsstoßspannung <i>Rated impulse withstand voltage</i>	U_{imp} kV	8			
	Gebrauchskategorie ³⁾ <i>Utilization category ³⁾</i>	–	AC-23B (400V/160A) AC-22B (500V/160A) AC-21B (690V/160A) DC-22B (250V/160A)			
	Bedingter Bemessungskurzschlussstrom ^{3) 4)} <i>Rated conditional short-circuit current ^{3) 4)}</i>	– kA	120 (500V) 100 (690V)			
Bemessungskurzzeitstromfestigkeit <i>Rated short-time withstand current</i>	I_{cw} kA	5/1s				
Max. zul. Verlustleistung pro Sicherungseinsatz <i>Max. permis. power loss per fuse-link</i>	P_a W	12				



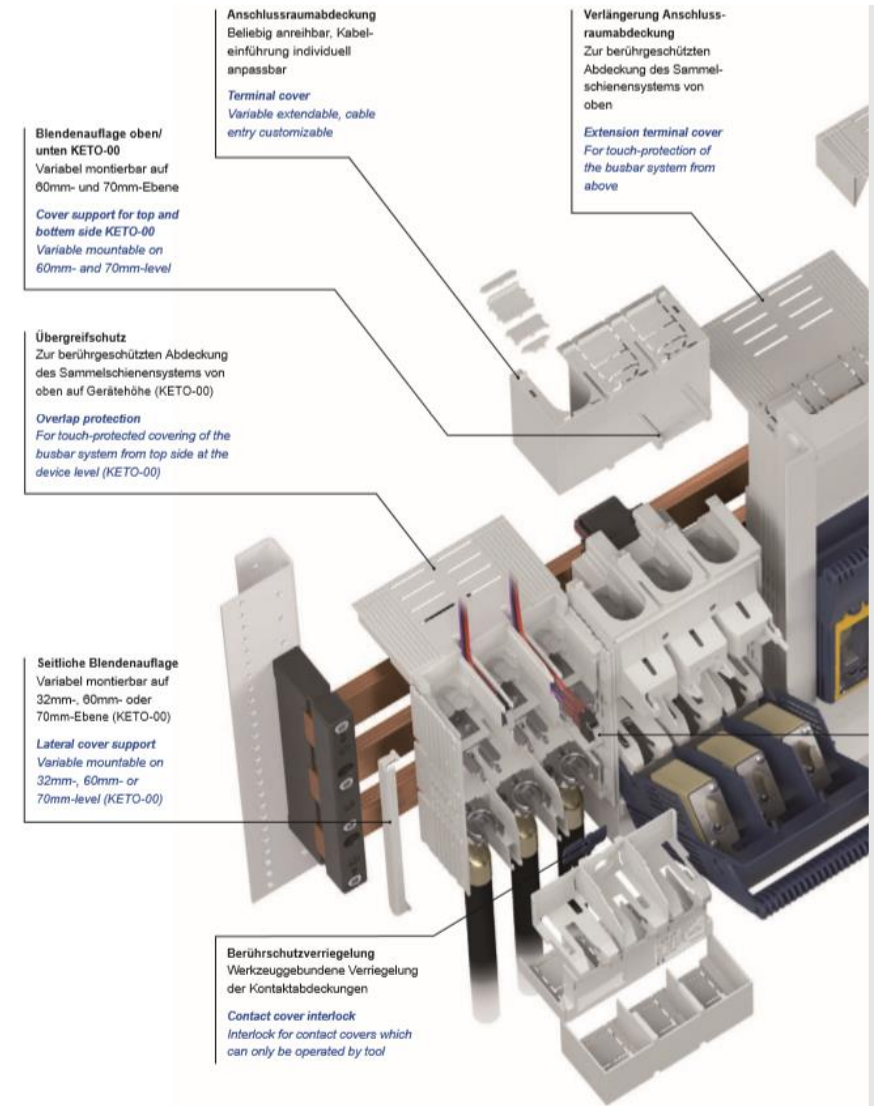
Technische Daten

Technical data

Typ Type		KETO-00 Aufbaumontage Baseplate mounting		KETO-00 Sammelschienen- montage Busbar mounting		
Kabel- anschluss Cable terminal	Flachanschluss Flat terminal	Bolzendurchmesser Bolt diameter	–	–	M8	
		Anzugsdrehmoment Tightening torque	M ₀	Nm	12-15	
	Schellen- klemme Clip terminal	S00-70	Klemmquerschnitt Clamping cross-section	–	mm ²	○: 1,5-70 Cu □: 6 x 9 x 0,8 Cu
			Anzugsdrehmoment Tightening torque	M ₀	Nm	2,6
	Prismen- klemme Clamp	P00-70 P00-95	Klemmquerschnitt Clamping cross-section	–	mm ²	10-70 Al/Cu 35-95 Al/Cu
			Anzugsdrehmoment Tightening torque	M ₀	Nm	2,6
Klemme Clamp	R05	Klemmquerschnitt Clamping cross-section	–	mm ²	1,5-95 Al/Cu (Al 95: max. 125A) ⁵⁾	
		Anzugsdrehmoment Tightening torque	M ₀	Nm	4,5	
Schutzart Degree of protection	Frontseitig, Gerät eingebaut Front side Device fitted	Betriebszustand Operating condition	–	–	IP20	
		Mit Klemmen- und Seiten- abdeckung/With clamp- and lateral cover	–	–	IP2XC	
		Schaltdeckel geöffnet Switching element open	–	–	IP10	
Betriebs- be- dingungen Operating conditions	Umgebungstemperatur ⁶⁾ /Ambient temperature ⁶⁾		T _{amb}	°C	-25 bis/up to +55	
	Bemessungsbetriebsart/Rated operating mode		–	–	Dauerbetrieb/Uninterrupted duty	
	Betätigung Actuation		–	–	Abhängige Handbetätigung Dependent manual operation	
	Einbaulage Mounting position		–	–	senkrecht/waagrecht vertical/horizontal	
	Höhenlage/Altitude		–	m	Bis zu/Up to 2000	
	Verschmutzungsgrad/Pollution degree		–	–	3	
Überspannungskategorie/Overvoltage category		–	–	III		

5) 35°C Normaltemperatur, bei 55°C mit reduziertem Betriebsstrom.
35°C Normal temperature, at 55°C with reduced operating current

6) Al-Leiter mechanisch vorbehandelt! Reinigen und fetten!
Pretreat Al-conductors mechanically! Cleaning and greasing!



Technische Daten

Technical data

Typ Type				KETO-1 Aufbaumontage Baseplate mounting	KETO-1 Sammelschienen- montage Busbar mounting	
Kabel- anschluss Cable terminal	Flachanschluss Flat terminal	Bolzendurchmesser Bolt diameter	- -	M10		
		Anzugsdrehmoment Tightening torque	M _b Nm	30-35		
	Schellen- klemme Clip terminal	S1	Klemmquerschnitt Clamping cross-section	- mm ²	○: 25-150 Cu □: 6 x 16 x 0,8 Cu	
			Anzugsdrehmoment Tightening torque	M _b Nm	9,5	
	Prismen- klemme Clamp	P1	Klemmquerschnitt Clamping cross-section	- mm ²	70-150 Al/Cu	
			Anzugsdrehmoment Tightening torque	M _b Nm	4,5	
	Klemme Clamp	P12	Klemmquerschnitt Clamping cross-section	- mm ²	2 x (70-95) Al/Cu	
			Anzugsdrehmoment Tightening torque	M _b Nm	4,5	
R150		Klemmquerschnitt Clamping cross-section	- mm ²	35-150 Al/Cu		
		Anzugsdrehmoment Tightening torque	M _b Nm	12		
Schutzart Degree of protection	Frontseitig, Gerät eingebaut Front side Device fitted	Betriebszustand Operating condition	- -	IP20		
		Mit Klemmen- und Seiten- abdeckung/With clamp- and lateral cover	- -	IP2XC		
		Schaltdeckel geöffnet Switching element open	- -	IP10		
Betriebs- be- dingungen Operating conditions	Umgebungstemperatur ⁵⁾ /Ambient temperature ⁵⁾	T _{amb} °C	-25 bis/up to +55			
	Bemessungsbetriebsart/Rated operating mode	- -	Dauerbetrieb/Uninterrupted duty			
	Betätigung Actuation	- -	Abhängige Handbetätigung Dependent manual operation			
	Einbaulage Mounting position	- -	senkrecht/waagrecht vertical/horizontal			
	Höhenlage/Altitude	- m	Bis zu/Up to 2000			
	Verschmutzungsgrad/Pollution degree	- -	3			
Überspannungskategorie/Overvoltage category	- -	III				

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