

TWOMASTER



TWOMASTER MEK SERIES
Sheet Steel Enclosure From
500-1600A

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Sheet Steel Enclosure From 63-1600A

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The solution for

- Steel works
- Cement works
- Automotive
- Mining industries
- Food processing
- Chemical industry

Compliance with standards

- IEC 60947-3
- EN 60947-3
- VDE 0660-107 (1992)
- NBN EN 60947-3
- BS EN 60947

Approvals and certifications

China Quality Certification Centre



Product Description

BUILT FOR SAFETY

Thanks to the dedicated cut-off equipment, the user can operate on the equipment quickly and safely.

RESISTANT

A secure enclosure, equipment and fittings adapted to an aggressive and dusty environment.

EASY TO INSTALL

Secure connections and commissioning with a well equipped enclosure.

Safety enclosures equipped with TWOMASTER switches provide emergency breaking, breaking for mechanical maintenance and safety isolation in the vicinity of any low voltage final circuit.

Double Locking

This prevents the switch from being closed if the enclosure is open, but also prevents the enclosure from being opened if the switch is closed.

Triple Safety Handle

It allows the installation to be locked by 3 locks when the switch is in the opened position.

Detectable Cut-off

Handle indicates clearly position of contacts, guaranteeing switch operation.

Standard

2 pushbuttons, 22 mm Ø (1 green/1 red):
Identification labels "Start" and "Stop" 1pcs NO/NC
auxiliary contacts for pre-break, the 2nd auxiliary
contact is optional.
The enclosure has an IP65 degree of protection
Emergency stop button is optional.

Visible Cut-off

The technology of the contacts, positioned in parallel on a movable bar, make it possible to check the contacts are correctly separated.

TWOMASTER-MEK Safety Enclosures					
Rating (A)	Product Code	No. of poles	External handle & Shaft	Direct Handle	Auxiliary contact
63	31103006	3 Pole	31140001	31140005	31140011 (1NA) 31140012 (1NK)
	31104006	4 Pole			
80	31103008	3 Pole			
	31104008	4 Pole			
100	31103010	3 Pole			
	31104010	4 Pole			
125	31103012	3 Pole			
	31104012	4 Pole			
160	31103016	3 Pole			
	31104016	4 Pole			
200	31103020	3 Pole			
	31104020	4 Pole			
250	31103025	3 Pole			
	31104025	4 Pole			
315	31103031	3 Pole	31140002	31140006	
	31104031	4 Pole			
400	31103040	3 Pole			
	31104040	4 Pole			
500	31103050	3 Pole	31140003	31140007	
	31104050	4 Pole			
630	31103063	3 Pole			
	31104063	4 Pole			
800	31103080	3 Pole			
	31104080	4 Pole			
1000	31103100	3 Pole	31140004	31140008	
	31104100	4 Pole			
1250	31103120	3 Pole			
	31104120	4 Pole			
1600	31103160	3 Pole			
	31104160	4 Pole			

Please consult us for 6 poles.

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Technical Data

TWOMASTER SAFETY ENCLOSURES

Rated operating current Ie (A)		50 A	80 A	125 A	200 A	400 A	500 A	630 A
Associated fuse rating (A)		40	63	100	160	315	400	500
Rated insulation voltage Ui (V)		690	690	750	750	1000	1000	1000
Rated impulse withstand voltage Uimp (kV)		6	6	8	8	12	12	12
Rated operational currents Ie (A)								
400 V AC	AC 21 A	50	80	125	200	400	500	630
	AC 22 A	50	63	125	200	400	400	630
	AC 23 A	50	63	125	200	400	400	630
Operational power in AC-23 A (kW)								
At 400 VAC without pre-break in AC-23 (kW)		25	30	63	100	220	220	355
At 500 VAC without pre-break in AC-23 (kW)		11	25	63	63	140	140	355
At 690 VAC without pre-break in AC-23 (kW)		-	7,5	11	-	75	75	90
At 400 VAC with pre-break in AC-23 (kW)		25	30	63	100	220	220	355
At 500 VAC with pre-break in AC-23 (kW)		18.5	33	63	80	220	220	450
At 690 VAC with pre-break in AC-23 (kW)		22	33	55	90	185	185	295
Short-circuit capacity								
Rated short-time withstand current 1s. ICW (kA rms)		2,5	2,5	7	9	13	13	26
Fuse protected short-circuit withstand (kA rms prospective)(415VAC)		12	12	20	30	45	45	55
Rated peak withstand current (kA peak)(415VAC)		4,5	4,5	12	17	30	30	50
Mechanical characteristics								
Durability (number of operating cycles)		10000	10000	10000	10000	5000	5000	5000
Operating effort (Nm)		2	2	10	13	21	21	45

Please consult us for other current ratings (800A - 1250A - 1600A)

Dimensions

A	Pole	H x W x D	kg
50	3	320x220x150	9
80	3	320x220x150	9
125	3	450x350x200	17
125	6	450x800x300	23
200	3	500x400x200	21
200	6	500x900x300	30
400	3	700x500x250	35
400	6	700x1200x400	45
630	3	900x500x350	39
630	6	900x1200x500	52
800	3	900x500x350	85
1250	3	1200x700x400	90
1600	3	1200x700x400	100

www.twomaster.com.tr



TWOMASTER
manages the energy

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