Fixed Capacitor with detuned reactor
CLMD-SG-L/-FLBA

Application

The CLMD-SG-L fixed capacitor with detuning reactor is used in networks with harmonic loads. The CLMD-SG-L is particularly suitable for compensation on site, also with high mechanical requirements. The additional built-on fuse disconnector provides the possibility of disconnecting from the network (in no-load condition).

Description

The CLMD-SG-L consists of a fixed capacitor and a built-on detuning reactor in a sheet steel enclosure. It can be equipped with an externally operated fuse disconnector, type CLMD-SG-L-FLBA. The capacitor and the detuning reactor are rated for continuous duty at full admissible harmonic load according to harmonic content, rating, and, if necessary, audio frequencies.

Advantages

- Wired ready for connection
- Fixed capacitor with detuning reactor for continuous duty at full harmonic load (5% at 250 Hz and 5% fpor all higher harmonics)
- No RTF suppressors requiret in networks with audio frequency signals depending on remote frequency
- Easy connection, also for high rating
- Mechanically compact construction
- Leakproof and environment friendly dry capacitor
- Self-healing capacitors with patented winding protection

Accessory:
built-on fuse disconnector with HRC fuses
Capacitor design voltage:
– with 7% reactor ≥ 440 V
– with 12,5% reactor ≥ 480 V

Rated voltage 400 V / 50 Hz (Threephase)					
Rated power kvar	**Description**	**Protection fuse* A**	**Dimensions W x D x H mm**	**Weight net kg**	**Article code**
Reactor-rate: 7% - IP22					
10	**CLMD-400/50-10-SG-L070**	20	423 x 325 x 960	28	F162-ACA
15	**CLMD-400/50-15-SG-L070**	35	423 x 325 x 960	33	F162-ACB
20	**CLMD-400/50-20-SG-L070**	50	423 x 325 x 960	38	F162-ACC
25	**CLMD-400/50-25-SG-L070**	50	423 x 325 x 960	43	F162-ACD
30	**CLMD-400/50-30-SG-L070**	63	423 x 325 x 960	48	F162-ACE
35	**CLMD-400/50-35-SG-L070**	80	423 x 325 x 960	53	F162-ACF
40	**CLMD-400/50-40-SG-L070**	80	423 x 325 x 1125	62	F162-ACG
50	**CLMD-400/50-50-SG-L070**	100	423 x 325 x 1125	68	F162-ACH
60	**CLMD-400/50-60-SG-L070**	125	423 x 325 x 1125	74	F162-ACK
70	**CLMD-400/50-70-SG-L070**	160	423 x 325 x 1125	82	F162-ACL
80	**CLMD-400/50-80-SG-L070**	160	423 x 325 x 1125	88	F162-ACM
Reactor-rate: 12,5% - IP22					
10	**CLMD-400/50-10-SG-L125**	20	423 x 325 x 960	30	F162-ADA
15	**CLMD-400/50-15-SG-L125**	35	423 x 325 x 960	35	F162-ADB
20	**CLMD-400/50-20-SG-L125**	50	423 x 325 x 960	40	F162-ADC
25	**CLMD-400/50-25-SG-L125**	50	423 x 325 x 960	45	F162-ADD
30	**CLMD-400/50-30-SG-L125**	63	423 x 325 x 960	50	F162-ADE
35	**CLMD-400/50-35-SG-L125**	80	423 x 325 x 960	55	F162-ADF
40	**CLMD-400/50-40-SG-L125**	80	423 x 325 x 1125	62	F162-ADG
50	**CLMD-400/50-50-SG-L125**	100	423 x 325 x 1125	70	F162-ADH
60	**CLMD-400/50-60-SG-L125**	125	423 x 325 x 1125	76	F162-ADK
70	**CLMD-400/50-70-SG-L125**	160	423 x 325 x 1125	84	F162-ADL
80	**CLMD-400/50-80-SG-L125**	160	423 x 325 x 1125	90	F162-ADM
Reactor-rate: 7% - IP22 – with fuse disconnector					
10	**CLMD-400/50-10-SG-L070-FLBA**	20	423 x 350 x 960	28	F162-ORA
15	**CLMD-400/50-15-SG-L070-FLBA**	35	423 x 350 x 960	33	F162-ORB
20	**CLMD-400/50-20-SG-L070-FLBA**	50	423 x 350 x 960	38	F162-ORC
25	**CLMD-400/50-25-SG-L070-FLBA**	50	423 x 350 x 960	43	F162-ORD
30	**CLMD-400/50-30-SG-L070-FLBA**	63	423 x 350 x 960	48	F162-ORE
35	**CLMD-400/50-35-SG-L070-FLBA**	80	423 x 350 x 960	53	F162-ORF
40	**CLMD-400/50-40-SG-L070-FLBA**	80	423 x 350 x 1125	62	F162-ORG
50	**CLMD-400/50-50-SG-L070-FLBA**	100	423 x 350 x 1125	68	F162-ORH
Reactor-rate: 12,5% - IP22 – with fuse disconnector					
10	**CLMD-400/50-10-SG-L125-FLBA**	20	423 x 350 x 960	28	F162-AFA
15	**CLMD-400/50-15-SG-L125-FLBA**	35	423 x 350 x 960	33	F162-AFB
20	**CLMD-400/50-20-SG-L125-FLBA**	50	423 x 350 x 960	38	F162-AFC
25	**CLMD-400/50-25-SG-L125-FLBA**	50	423 x 350 x 960	43	F162-AFD
30	**CLMD-400/50-30-SG-L125-FLBA**	63	423 x 350 x 960	48	F162-AFE
35	**CLMD-400/50-35-SG-L125-FLBA**	80	423 x 350 x 960	53	F162-AFF
40	**CLMD-400/50-40-SG-L125-FLBA**	80	423 x 350 x 1125	62	F162-AFG
50	**CLMD-400/50-50-SG-L125-FLBA**	100	423 x 350 x 1125	68	F162-AFH

*Cable dimensioning according page 6

Discharge to 75 V max. 3 minutes after disconnection
Other voltages, frequencies, power-ratings, reactor-rates on request