

CNW M 854

Fully cast three-phase motor choke

Advantages

- Use in harsh environments
- IP 66
- Connection options include: Cables, Clamps, Terminals
- Customer-specific mounting plate possible
- Lower surface temperature
- Protection for electrical loads
- Limitation of voltage rise to $< 500 \text{ V}/\mu\text{s}$
- Extended service life for electrical loads
- Reduction of audible motor noise
- Low leakage currents at the motor
- Longer motor cables possible
- Easy assembly and compact design
- Production according to UL insulation system E251513 possible

Description

- Nominal voltage: $U \leq 3 \times 500 \text{ V}$
- Reduction of the voltage rise DV/DT to $< 200 \text{ V}/\mu\text{s}$
- Rotating field frequency: 0 - 60 Hz
- Clock frequency of the inverter: up to 150 A $> 4 \text{ kHz}$, from 150 A $> 1.5 \text{ kHz}$
- According to: EN 60289 / EN 61558
- Test voltage: L-L 2500 V, AC/50 Hz 60s; L-PE 2500 V, AC/50 Hz 60s
- Insulation class: T40/F
- Protection class: IP 66
- Climate category: DIN IEC 60068-1
- Overload: $1.5 \times I_{\text{Rated}}$ 1 min/h
- Ambient temperature 40 °C
- Design: Mounted on brackets



Technical details

CNW M 854						
Type	Nominal voltage [V]	Nominal current [A]	Inductance [mH]	Copper [kg]	Weight [kg]	Cables [mm ²]
CNW M 854 / 6	up to 3 x 500	6	2,3	0,5	1,7	1,5
CNW M 854 / 8		8	2,0	0,5	1,7	1,5
CNW M 854 / 10		10	1,7	0,9	2,8	1,5
CNW M 854 / 12		12	1,1	1,1	3,7	1,5
CNW M 854 / 16		16	0,9	1,1	3,7	2,5
CNW M 854 / 24		24	0,8	1,7	4,6	4,0
CNW M 854 / 30		30	0,5	1,7	4,6	4,0
CNW M 854 / 37		37	0,4	2,1	7,2	6,0



Typical applications: Drive systems for motor drives, mechanical engineering, elevators / escalators, pipes, conveyor technology, ventilation and air conditioning, robotics, automation technology, power supplies, wind turbines

Dimensions in mm

CNW M 854												
Type	L1 (mm)	B1 (mm)	H1 (mm)	Bolting	Clamp	L2 (mm)	L3 (mm)	B2 (mm)	H2 (mm)	N1 (mm)	N2 (mm)	ØD (mm)
CNW M 854/6	185	80	57	M20	4mm ²	115	100	74	88	80	60	5,5 x 7,0
CNW M 854/8	185	80	57	M20	4mm ²	115	100	74	88	80	60	5,5 x 7,0
CNW M 854/10	185	80	57	M20	4mm ²	140	125	77	113	100	60	5,5 x 7,0
CNW M 854/12	185	80	57	M20	4mm ²	140	125	87	113	100	70	5,5 x 7,0
CNW M 854/16	185	80	57	M20	6mm ²	140	125	87	113	100	70	5,5 x 7,0
CNW M 854/24	190	80	57	M25	6mm ²	175	155	99	137	130	79	5,5 x 7,0
CNW M 854/30	190	80	57	M25	16mm ²	175	155	99	137	130	79	5,5 x 7,0
CNW M 854/37	190	80	57	M25	16mm ²	175	155	114	137	130	94	5,5 x 12,0

