

8.10 Output filters (dU/dt) for three-phase mains

If it is necessary to limit the increase of the output voltage of a frequency inverter to a level less than 500 V/μs the employment of dU/dt-filters presents itself.

Technical data

Rated voltage	530V~
Rotary field frequency	60 Hz
Pulse frequency	max. 8 Hz
Motor cable range	max. 75 m
IEC category	25/085/21
Ambient temperature	max. + 40°C
Protection index	6 A to 50 A: IP20 80 A to 610 A: IP00
Terminals	6 A to 50 A: protection clamps 80 A to 300 A: high-current connector for cable shoes, diameter 13 mm 450 A: current rail 5 x 50 mm for cable shoes, diameter 16 mm 610 A: current rail 5 x 60 mm for cable shoes, diameter 16 mm protection by bonnets

Typ	Rated current(I _N) A/phase	Overload ¹⁾ A/phase	Clamp range mm ² (flexible)	Torque Nm	Weight (ca.) kg
3AFU400-006	6	1,2 x I _N	0,2 - 4,0	0,6 - 0,8	2,5
3AFU400-010	10	1,2 x I _N	0,2 - 4,0	0,6 - 0,8	2,6
3AFU400-016	16	1,2 x I _N	0,2 - 4,0	0,6 - 0,8	3,5
3AFU400-025	25	1,2 x I _N	4,0 - 16	1,5 - 1,8	4,0
3AFU400-035	35	1,2 x I _N	4,0 - 16	1,5 - 1,8	5,5
3AFU400-050	50	1,2 x I _N	4,0 - 16	1,5 - 1,8	6,0
3AFU400-080	80	1,2 x I _N	M12	25 - 30	6,5
3AFU400-125	125	1,2 x I _N	M12-	25 - 30	7,5
3AFU400-150	150	1,2 x I _N	M12-	25 - 30	7,7
3AFU400-180	180	1,2 x I _N	M12-	25 - 30	12,0
3AFU400-220	220	1,2 x I _N	M12-	25 - 30	13,5
3AFU400-300	300	1,2 x I _N	M12-	25 - 30	14,5
3AFU400-450	450	1,2 x I _N	M16-	30 - 35	17,5
3AFU400-610	610	1,2 x I _N	M16-	30 - 35	18

1) Time of overload 60 seconds, repeatable after 30 minutes

