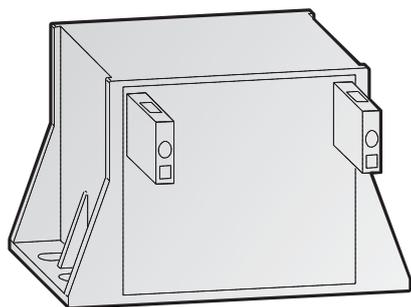


DC Reactors



DC link reactors

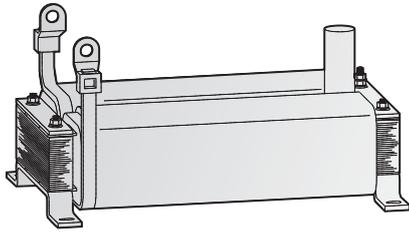
The FFR-HEL DC choke meets the requirements of the EN 61558 standard. The IP20

version is soaked and cast into a housing with resin.

Reactor	Motor output [kW]	Power loss [W]	Protection	Weight	Art. no.	
200 V type	FFR-HEL-0.4K-E	0.4	9.8	IP20	0.6	238357
	FFR-HEL-0.75K-E	0.75	12.3	IP20	0.6	238358
	FFR-HEL-1.5K-E	1.5	19.1	IP20	1.2	238359
	FFR-HEL-2.2K-E	2.2	19.6	IP20	1.2	238360
	FFR-HEL-3.7K-E	3.7	19.8	IP20	1.5	238361
	FFR-HEL-5.5K-E	5.5	31.3	IP20	3.1	238362
	FFR-HEL-7.5K-E	7.5	30.4	IP20	3.1	238363
	FFR-HEL-11K-E	11	32.5	IP20	3.1	238364
	FFR-HEL-15K-E	15	32.5	IP20	4	238365
	FFR-HEL-18.5K-E	18.5	37.2	IP20	4	238366
	FFR-HEL-22K-E	22	44.1	IP20	5.5	238367
	FFR-HEL-30K-E	30	60.8	IP00	8.2	238368
	FFR-HEL-37K-E	37	58.8	IP00	10.7	238369
	FFR-HEL-45K-E	45	72.4	IP00	11.3	238370
	FFR-HEL-55K-E	55	65.5	IP00	14.4	238371
	400 V type	FFR-HEL-H0.4K-E	0.4	8.8	IP20	0.35
FFR-HEL-H0.75K-E		0.75	9.4	IP20	0.6	238343
FFR-HEL-H1.5K-E		1.5	15.2	IP20	0.61	238344
FFR-HEL-H2.2K-E		2.2	17.8	IP20	1.2	238345
FFR-HEL-H3.7K-E		3.7	19.4	IP20	1.2	238346
FFR-HEL-H5.5K-E		5.5	19.5	IP20	1.5	238347
FFR-HEL-H7.5K-E		7.5	25.4	IP20	2.2	238348
FFR-HEL-H11K-E		11	24.9	IP20	3.1	238349
FFR-HEL-H15K-E		15	33.5	IP20	3	238350
FFR-HEL-H18.5K-E		18.5	34.6	IP20	4	238351
FFR-HEL-H22K-E		22	40.5	IP20	5.3	238352
FFR-HEL-H30K-E		30	48.7	IP20	5.75	238353
FFR-HEL-H37K-E		37	44.3	IP20	8	238354
FFR-HEL-H45K-E		45	64.6	IP00	11.3	238355
FFR-HEL-H55K-E		55	72.6	IP00	14.4	238356

DC Reactors for FR-F700/FR-A700

DC link reactors



The DC link reactor is included as standard equipment with inverter models FR-A740/F740-01800 and above. This reactor is essential for the operation of the inverter and must be installed.

For the frequency inverters FR-A/F740-00023 to 01160 the optional DC-choke of the series FFR-HEL can be used.

Reactor	Frequency inverter	Power loss [W]		Weight [kg]	Art. no.
		at 120 %	at 150 %		
FR-HEL-H90K	FR-A/F740-01800	128	121	20	The DC link reactor MT-HEL is included as standard equipment with the respective frequency inverter.
FR-HEL-H110K	FR-A/F740-02160	138	128	22	
FR-HEL-H132K	FR-A/F740-02600	140	138	26	
FR-HEL-H160K	FR-A/F740-03250	162	140	28	
FR-HEL-H185K	FR-A/F740-03610	245	162	29	
FR-HEL-H220K	FR-A/F740-04320	265	245	30	
FR-HEL-H250K	FR-A/F740-04810	285	265	35	
FR-HEL-H280K	FR-A/F740-05470	315	285	38	
FR-HEL-H315K	FR-A/F740-06100	350	315	42	
FR-HEL-H355K	FR-A/F740-06830	400	350	46	
FR-HEL-H400K	FR-A/F740-07700	460	400	50	
FR-HEL-H450K	FR-A/F740-08660	540	460	57	
FR-HEL-H500K	FR-A/F740-09620	635	540	67	
FR-HEL-H560K	FR-A/F740-10940	770	635	85	
FR-HEL-H630K	FR-A/F740-12120	960	770	95	
FR-HEL-N355K	FR-A770-355K-79	—	380	80	
FR-HEL-N560K	FR-A770-560K-79	—	730	105	

Parameter Units



FR-PU07-01



FR-DU07

The parameter unit FR-PU07 provides a 10-key keypad for a direct entering of numerical values. A 4-row LC display returns operational data, parameter names or status and error messages in uncoded text.

The parameter unit displays text in the following selectable languages: English, German, French, Spanish, Swedish, Italian, Finnish, and Japanese.

In addition to the functions of the standard parameter unit the FR-PU07 displays and monitors 21 different values (like frequency, current, voltage, etc.) and states in total.

The parameter unit FR-PU07 is used instead of the standard control units FR-DU04 and FR-DU07 and can be replaced by this after use.

The parameter unit FR-PU07 conforms to the protection rating IP40.

Parameter unit	Frequency inverter	Description	Art. no.
FR-DU07	All	Interactive parameter unit with LC display	157514
FR-DU07-IP54	All	Interactive parameter unit with LC display	207067
FR-PU07	All	Interactive parameter unit with LC display	166134
FR-PU07-01	FR-F700	Interactive parameter unit like FR-PU07 but with additional AUTO/HAND keys and advanced PID monitor	242151
FR-PU07BB-L	FR-E700 SC/FR-A700	Interactive parameter unit with LC display and battery pack	209052
FR-PA07	FR-D700 SC/FR-E700 SC	Interactive parameter unit with LC display	214795