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FMCEi circuit breakers

max 800A





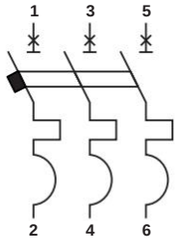


Specifications

Type	FMC4Ei/3U	FMC5Ei/3U	FMC6Ei/3U
Maximum dimension current	400	630	800
Nominal current of the disconnector In, A	400	630	800
Compliance with the standard		IEC60947-2	
Number of poles	3	3	3
Nominal current settings Ir1(A)		0.4-1xIn	
Rated current range Ir (A)	160-400A with a step of 1A	252-630 with a step of 1A	320-800 with a step of 1A
Dwelling time tr(S)		12-150s in steps of 1s+OFF	
Lower limit of short-circuit protection Isd(A)	320-4800A with a step of 1A+OFF	500-7560A with a step of 1A+OFF	650-8000A with a step of 1A+OFF
Short circuit time tsd(A)			
Upper limit of short-circuit protection Ii(A)			
Preliminary indicative alarm signal Ip(A)	112-400A with a step of 1A	175-630A with a step of 1A	228-800A with a step of 1A
Nominal voltage Un, V		690	
Nominal insulation voltage Ui, V		800	
Nominal impulse voltage Uimp, V		8,000	
Nominal frequency f, Hz		50/60	
Nominal operating breaking capacity Ics,kA (AC 380/415V)	60	60	60
Limit operating breaking capacity Icu, kA (AC 380/415V)	85	85	85
Switching wear resistance (number of on/off cycles) electric	1000	1000	500
Switching wear resistance (number of on/off cycles) mechanical	4000	4000	2500
Front connection with tires	Yes	Yes	Yes
Rear connection with tires	Yes	Yes	Yes
Installation of independent unclipper	Yes	Yes	Yes
Installation of the minimum voltage release	Yes	Yes	Yes
Establishing an additional contact	Yes	Yes	Yes
Establishing a signal contact	Yes	Yes	Yes
Installation of a manual drive	Yes	Yes	Yes
Installation of the remote control unit	Yes	Yes	Yes
Uncoupling type		electronic	
Net weight, kg	5.15	7.20	8.95

FMC

Schematic diagram



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	Code order	Full name	Packaging, pcs	Gross weight, kg	
			Packaging Box	Unit Packaging Box	
FMC4Ei/3U		FMC4Ei400 Automatic circuit breaker with electronic control unit FMC4Ei 3P 400A 85kA 1	4	5,150	5,150 20,600
FMC5Ei/3U		FMC5Ei630 Automatic circuit breaker with electronic control unit FMC5Ei 3P 630A 85kA 1	4	7,200	7,200 28,800
FMC6Ei/3U		FMC6Ei800 Automatic circuit breaker with electronic control unit FMC6Ei 3P 800A 85kA 1	2	8,950	8,950 17,900

Additional devices for FMCEi circuit breakers

FMC

Order code	Full name	Installable type	Mass
F/AX4REi	Contact additional F/AX4REi right	FMC4Ei/3U	0.07
F/AX4LEi	Contact additional F/AX4REi left	FMC4Ei/3U	0.07
F/AX5REi	Contact additional F/AX5REi right	FMC5Ei/3U	0.07
F/AX5LEi	Contact additional F/AX5REi left	FMC5Ei/3U	0.07
F/AX6REi	Contact additional F/AX6REi right	FMC6Ei/3U	0.07
F/AX6LEi	Contact additional F/AX6REi left	FMC6Ei/3U	0.07

Order code	Full name	Installable type	Mass
F/AL4REi	Signal contact F/AL4REi right	FMC4Ei/3U	0.07
F/AL4LEi	Signal contact F/AL4REi left	FMC4Ei/3U	0.07
F/AL5REi	Signal contact F/AL5REi right	FMC5Ei/3U	0.07
F/AL5LEi	Signal contact F/AL5REi left	FMC5Ei/3U	0.07
F/AL6REi	Signal contact F/AL6REi right	FMC6Ei/3U	0.07
F/AL6LEi	Signal contact F/AL6REi left	FMC6Ei/3U	0.07

Order code	Full name	Installable type	Mass
F/SH4230REi	The release is independent F/SH4230REi	FMC4Ei/3U	0.11
F/SH4230LEi	The release is independent F/SH4230LEi	FMC4Ei/3U	0.11
F/SH4400REi	The decoupler is independent F/SH4400REi	FMC4Ei/3U	0.11
F/SH4400LEi	The release is independent F/SH4400LEi	FMC4Ei/3U	0.11
F/SH5230REi	The release is independent F/SH5230REi	FMC5Ei/3U	0.11
F/SH5230LEi	The release is independent F/SH5230LEi	FMC5Ei/3U	0.11
F/SH5400REi	The decoupler is independent F/SH5400REi	FMC5Ei/3U	0.11
F/SH5400LEi	Uncoupling independent F/SH5400LEi	FMC5Ei/3U	0.11
F/SH6230REi	The release is independent F/SH6230REi	FMC6Ei/3U	0.17
F/SH6230LEi	The release is independent F/SH6230LEi	FMC6Ei/3U	0.17
F/SH6400REi	Uncoupler independent F/SH6400REi	FMC6Ei/3U	0.17
F/SH6400LEi	The release is independent F/SH6400LEi	FMC6Ei/3U	0.17

Order code	Full name	Installable type	Mass
F/UV4230Ei	F/UV4230Ei undervoltage release	FMC4Ei/3U	0.20
F/UV5230Ei	F/UV5230Ei undervoltage release	FMC5Ei/3U	0.16
F/UV6230Ei	F/UV6230Ei undervoltage release	FMC6Ei/3U	0.16

Order code	Full name	Installable type	Mass
F/HB4Ei	Manual remote-rotary drive F/HB4Ei	FMC4Ei/3U	1.31
F/HB5Ei	Manual remote-rotary drive F/HB5Ei	FMC5Ei/3U	1.47
F/HB6Ei	Manual remote-turning drive F/HB6Ei	FMC6Ei/3U	1.72

Order code	Full name	Installable type	Mass
MROM34Ei	Remote control unit MROM3/4Ei	FMC4Ei/3U	3.7
MROM35Ei	Remote control unit MROM3/5Ei	FMC5Ei/3U	3.8
MROM36Ei	Remote control unit MROM3/6Ei	FMC6Ei/3U	3.9