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FMCE circuit breakers

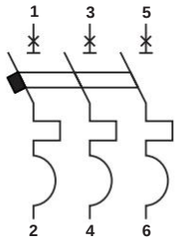
max 800A



Specifications

Type	FMC2E/3U	FMC3E/3U	FMC4E/3U	FMC5E/3U	FMC6E/3U
Maximum dimension current	160	250	400	630	800
Nominal current of the disconnector In, A	63,100,125,160	100,125,160, 200,250	250, 400	400,500,630	630,800
Number of poles	3	3	3	3	3
Compliance with the standard	IEC60947-2				
Nominal current settings Ir1(A)	0.4-1xIn				
Trigger time for overload t1(S)	12, 60, 100, 150 +OFF				
Trigger current settings with time delay Ir2(xIr1)	2, 3, 4, 5, 6, 7, 8, 10, 12 +OFF				
Response time t2(s) according to Ir2	0.06, 0.1, 0.2, 0.3				
Trigger current setting without time delay Ir3(xIr1)	4, 6, 7, 8, 10, 11, 12, 13, 14 +OFF				
Indicator settings by overload Iro(xIr1)	0.7, 0.75, 0.8, 0.85, 0.9, 0.95, 1				
Nominal operating voltage Un, V	690				
Nominal insulation voltage Ui, V	800				
Nominal impulse voltage Uimp, V	8,000				
Nominal frequency f, Hz	50/60				
Nominal breaking capacity Ics, kA (AC 380/415 V)	35	35	50	50	60
Limit switch capacity Icu, kA (AC 380/415 V)	50	50	85	85	85
Switching wear resistance (number of on/off cycles) electric	7000	1500	1000	1000	1000
Switching wear resistance (number of on/off cycles) mechanical	10000	5000	4000	4000	4000
Front connection with tires	Yes	Yes	Yes	Yes	Yes
Rear connection with tires	Yes	Yes	Yes	Yes	Yes
Installation of an independent disconnector	Yes	Yes	Yes	Yes	Yes
Installation of the minimum voltage release	Yes	Yes	Yes	Yes	Yes
Establishing an additional contact	Yes	Yes	Yes	Yes	Yes
Establishing a signal contact	Yes	Yes	Yes	Yes	Yes
Installation of a manual drive	Yes	Yes	Yes	Yes	Yes
Installation of the remote control unit	Yes	Yes	Yes	Yes	Yes
Type of release	electronic				
Net weight, kg	1.25	1.90	5.15	7.20	8.95

Schematic diagram



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FMC2E/3U

Code order	Full name	Packaging, pcs		Gross weight, kg	
		Packaging	Box	Unit Packaging	Box
FMC2E063	Automatic circuit breaker with electronic release FMC2E 3P 63A 50kA	1	16	1,240	1,240 19,840
FMC2E100	Automatic circuit breaker with electronic disconnector FMC2E 3P 100A 50kA 1		16	1,240	1,240 19,840
FMC2E125	Automatic circuit breaker with electronic release FMC2E 3P 125A 50kA 1		16	1,240	1,240 19,840
FMC2E160	Circuit breaker with electronic release FMC2E 3P 160A 50kA 1		16	1,240	1,240 19,840

FMC3E/3U

FMC3E100	Circuit breaker with electronic release FMC3E 3P 100A 50kA	1	12	1,900	1,900 22,800
FMC3E125	Circuit breaker with electronic release FMC3E 3P 125A 50kA 1		12	1,900	1,900 22,800
FMC3E160	Circuit breaker with electronic release FMC3E 3P 160A 50kA 1		12	1,900	1,900 22,800
FMC3E200	Circuit breaker with electronic release FMC3E 3P 200A 50kA 1		12	1,900	1,900 22,800
FMC3E250	Circuit breaker with electronic release FMC3E 3P 250A 50kA 1		12	1,900	1,900 22,800

Additional devices for FMCE circuit breakers

FMC

Order code	Full name	Installable type	Mass
F/AX2RE	Contact additional F/AX2RE right	FMC2E/3U	0.05
F/AX2LE	Contact additional F/AX2RE left	FMC2E/3U	0.05
F/AX3RE	Contact additional F/AX3RE right	FMC3E/3U	0.05
F/AX3LE	Contact additional F/AX3RE left	FMC3E/3U	0.05
F/AX4RE	Contact additional F/AX4RE right	FMC4E/3U	0.07
F/AX4LE	Contact additional F/AX4RE left	FMC4E/3U	0.07
F/AX5RE	Contact additional F/AX5RE right	FMC5E/3U	0.07
F/AX5LE	Contact additional F/AX5RE left	FMC5E/3U	0.07
F/AX6RE	Contact additional F/AX6RE right	FMC6E/3U	0.07
F/AX6LE	Contact additional F/AX6RE left	FMC6E/3U	0.07

Order code	Full name	Installable type	Mass
F/AL2RE	Signal contact F/AL2RE right	FMC2E/3U	0.05
F/AL2LE	Signal contact F/AL2RE left	FMC2E/3U	0.05
F/AL3RE	Signal contact F/AL3RE right	FMC3E/3U	0.05
F/AL3LE	Signal contact F/AL3RE left	FMC3E/3U	0.05
F/AL4RE	Signal contact F/AL4RE right	FMC4E/3U	0.07
F/AL4LE	Signal contact F/AL4RE left	FMC4E/3U	0.07
F/AL5RE	Signal contact F/AL5RE right	FMC5E/3U	0.07
F/AL5LE	Signal contact F/AL5RE left	FMC5E/3U	0.07
F/AL6RE	Signal contact F/AL6RE right	FMC6E/3U	0.07
F/AL6LE	Signal contact F/AL6RE left	FMC6E/3U	0.07

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Additional devices for FMCE circuit breakers

Order code	Full name	Installable type	Mass
F/SH2230RE	Independent disconnector F/SH2230RE	FMC2E/3U	0.03
F/SH2230LE	Independent disconnector F/SH2230LE	FMC2E/3U	0.03
F/SH2400RE	The uncoupler is independent F/SH2400RE	FMC2E/3U	0.03
F/SH2400LE	Independent disconnector F/SH2400LE	FMC2E/3U	0.03
F/SH3230RE	Independent disconnector F/SH3230RE	FMC3E/3U	0.04
F/SH3230LE	Independent disconnector F/SH3230LE	FMC3E/3U	0.04
F/SH3400RE	Uncoupler independent F/SH3400RE	FMC3E/3U	0.04
F/SH3400LE	Uncoupler independent F/SH3400LE Uncoupler	FMC3E/3U	0.04
F/SH4230RE	independent F/SH4230RE Uncoupler	FMC4E/3U	0.11
F/SH4230LE	independent F/SH4230LE	FMC4E/3U	0.11
F/SH4400RE	The decoupler is independent F/SH4400RE	FMC4E/3U	0.11
F/SH4400LE	Independent disconnector F/SH4400LE	FMC4E/3U	0.11
F/SH5230RE	Independent disconnector F/SH5230RE	FMC5E/3U	0.11
F/SH5230LE	Independent disconnector F/SH5230LE	FMC5E/3U	0.11
F/SH5400RE	Uncoupler independent F/SH5400RE	FMC5E/3U	0.11
F/SH5400LE	Independent disconnector F/SH5400LE	FMC5E/3U	0.11
F/SH6230RE	Independent disconnector F/SH6230RE	FMC6E/3U	0.17
F/SH6230LE	Independent disconnector F/SH6230LE	FMC6E/3U	0.17
F/SH6400RE	The decoupler is independent F/SH6400RE	FMC6E/3U	0.17
F/SH6400LE	The uncoupler is independent F/SH6400LE	FMC6E/3U	0.17

Order code	Full name	Installable type	Mass
F/UV2230E	Undervoltage release F/UV2230E Undervoltage release	FMC2E/3U	0.20
F/UV3230E	F/UV3230E Undervoltage release F/UV4230E	FMC3E/3U	0.12
F/UV4230E	Undervoltage release F/UV5230E	FMC4E/3U	0.20
F/UV5230E		FMC5E/3U	0.16
F/UV6230E	F/UV6230E undervoltage release	FMC6E/3U	0.16

Order code	Full name	Installable type	Mass
F/HB2E	F/HB2E Manual remote rotary actuator F/HB3E Manual	FMC2E/3U	0.51
F/HB3E	remote rotary actuator F/HB4E Manual remote rotary	FMC3E/3U	0.60
F/HB4E	actuator F/HB5E Manual remote rotary actuator F/HB6E	FMC4E/3U	1.31
F/HB5E		FMC5E/3U	1.47
F/HB6E		FMC6E/3U	1.72

Order code	Full name	Installable type	Mass
MROM32E	Remote control unit MROM3/2E	FMC2E/3U	1.18
MROM33E	Remote control unit MROM3/3E Remote control unit	FMC3E/3U	1.20
MROM34E	MROM3/4E Remote control unit MROM3/5E	FMC4E/3U	3.7
MROM35E		FMC5E/3U	3.8
MROM36E	Remote control unit MROM3/6E	FMC6E/3U	3.9