Machine Translated by Google

FMCS circuit breakers

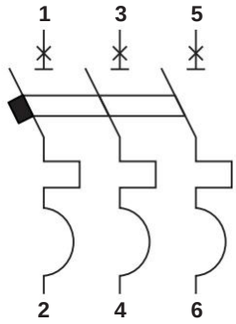
max 800A



Specifications

Type		FMC1S/3U	FMC2S/3U	FMC3S/3U	FMC4S/3U	FMC5S/3U	FMC6S/3U
Maximum dimension current		63	125	250	400	630	800
Nominal current of the disconnector In, A		10,16, 20,25, 32,40,50,63	16,20,25, 32,40,50,63, 80,100,125	63, 80, 100, 125, 140, 150, 160, 180, 200, 225,250	225,250,300, 315,350,400	400, 500,600,630	600, 630,700,800
Time-current characteristic		3-5In, 5-10In, 8-12In					
Compliance with the standard		IEC60947-2					
Number of poles		3	3	3	3	3	3
Thermomagnetic regulation Ir(xIn)		0.8/0.9/1					
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)		17.5	17.5	25	25	25	35
Limit switch capacity Icu, kA (AC 380/415 V)		35	35	50	50	50	70
Switching wear resistance (number of on/off cycles)	electric	7000	7000	1000	1500	1000	1000
	mechanical	10000	10000	3500	5000	4000	4000
Front connection with tires		Yes	Yes	Yes	Yes	Yes	Yes
Rear connection with tires		Yes	Yes	Yes	Yes	Yes	Yes
Establishing a signal contact		Yes	Yes	Yes	Yes	Yes	Yes
Installation of independent unclipper		Yes	Yes	Yes	Yes	Yes	Yes
Installation of the minimum voltage release		Yes	Yes	Yes	Yes	Yes	Yes
Establishing an additional contact		Yes	Yes	Yes	Yes	Yes	Yes
Installation of a manual drive		Yes	Yes	Yes	Yes	Yes	Yes
Installation of the remote control unit		Yes	Yes	Yes	Yes	Yes	Yes
Uncoupling type Net		electromagnetic/thermal					
weight, kg		0.95	1.24	1.90	5.15	7.20	8.95

Schematic diagram



Machine Translated by Google

FMCS circuit breakers

Code order	Full name	Nominal A	Packaging, pcs		Gross weight, kg	
			Packaging	Box	Unit	Packaging Box current In,
FMC1S/3U						
FMC1S016	Automatic switch with thermoregulation FMC1S 3P 16A 36kA	16	1	12	0.950	0.950 11.400
FMC1S020	Automatic switch with thermal regulation FMC1S 3P 20A 36kA	20	1	12	0.950	0.950 11.400
FMC1S025	Automatic switch with thermal regulation FMC1S 3P 25A 36kA	25	1	12	0.950	0.950 11.400
FMC1S032	Automatic switch with thermal regulation FMC1S 3P 32A 36kA	32	1	12	0.950	0.950 11.400
FMC1S040	Automatic switch with thermoregulation FMC1S 3P 40A 36kA	40	1	12	0.950	0.950 11.400
FMC1S050	Automatic switch with thermal regulation FMC1S 3P 50A 36kA	50	1	12	0.950	0.950 11.400
FMC1S063	Automatic switch with thermal regulation FMC1S 3P 63A 36kA	63	1	12	0.950	0.950 11.400
FMC2S/3U						
FMC2S025	Automatic switch with thermal regulation FMC2S 3P 25A 50kA	25	1	12	1,240	1,240 14,880
FMC2S032	Automatic switch with thermal regulation FMC2S 3P 32A 50kA	32	1	12	1,240	1,240 14,880
FMC2S040	Automatic switch with thermoregulation FMC2S 3P 40A 50kA	40	1	12	1,240	1,240 14,880
FMC2S050	Automatic switch with thermoregulation FMC2S 3P 50A 50kA	50	1	12	1,240	1,240 14,880
FMC2S063	Automatic circuit breaker with thermoregulation FMC2S 3P 63A 50kA	63	1	12	1,240	1,240 14,880
FMC2S080	Automatic switch with thermoregulation FMC2S 3P 80A 50kA	80	1	12	1,240	1,240 14,880
FMC2S100	Automatic switch with thermal regulation FMC2S 3P 100A 50kA	100	1	12	1,240	1,240 14,880
FMC2S125	Automatic circuit breaker with thermoregulation FMC2S 3P 125A 50kA	125	1	12	1,240	1,240 14,880
FMC3S100	Automatic switch with thermal regulation FMC3S 3P 100A 50kA	100	1	8	1,900	1,900 15,200
FMC3S125	Automatic circuit breaker with thermoregulation FMC3S 3P 125A 50kA	125	1	8	1,900	1,900 15,200
FMC3S160	Automatic circuit breaker with thermoregulation FMC3S 3P 160A 50kA	160	1	8	1,900	1,900 15,200
FMC3S180	Automatic circuit breaker with thermal regulation FMC3S 3P 180A 50kA	180	1	8	1,900	1,900 15,200
FMC3S200	Automatic switch with thermal regulation FMC3S 3P 200A 50kA	200	1	8	1,900	1,900 15,200
FMC3S225	Automatic circuit breaker with thermoregulation FMC3S 3P 225A 50kA	225	1	8	1,900	1,900 15,200
FMC3S250	Automatic circuit breaker with thermal regulation FMC3S 3P 250A 50kA	250	1	8	1,900	1,900 15,200
FMC4S/3U						
FMC4S225	Automatic circuit breaker with thermoregulation FMC4S 3P 225A 85kA	225	1	2	5,150	5,150 10,300
FMC4S250	Automatic circuit breaker with thermal regulation FMC4S 3P 250A 85kA	250	1	2	5,150	5,150 10,300
FMC4S300	Automatic circuit breaker with thermoregulation FMC4S 3P 300A 85kA	300	1	2	5,150	5,150 10,300
FMC4S315	Automatic circuit breaker with thermoregulation FMC4S 3P 315A 85kA	315	1	2	5,150	5,150 10,300
FMC4S350	Automatic circuit breaker with thermal regulation FMC4S 3P 350A 85kA	350	1	2	5,150	5,150 10,300
FMC4S400	Automatic circuit breaker with thermal regulation FMC4S 3P 400A 85kA	400	1	2	5,150	5,150 10,300
FMC5S/3U						
FMC5S400	Automatic circuit breaker with thermal regulation FMC5S 3P 400A 85kA	400	1	2	7,200	7,200 14,400
FMC5S500	Automatic circuit breaker with thermal regulation FMC5S 3P 500A 85kA	500	1	2	7,200	7,200 14,400
FMC5S630	Automatic circuit breaker with thermal regulation FMC5S 3P 630A 85kA	630	1	2	7,200	7,200 14,400
FMC6S/3U						
FMC6S630	Automatic circuit breaker with thermal regulation FMC6S 3P 630A 85kA	630	1	1	8,950	8,950 8,950
FMC6S700	Automatic circuit breaker with thermal regulation FMC6S 3P 700A 85kA	700	1	1	8,950	8,950 8,950
FMC6S800	Automatic circuit breaker with thermal regulation FMC6S 3P 800A 85kA	800	1	1	8,950	8,950 8,950

Machine Translated by Google

Additional devices for FMCS circuit breakers

Order code	Full name	Installable type	Mass
F/AX1RS	Contact additional F/AX1RS right Contact	FMC1S/3U	0.05
F/AX1LS	additional F/AX1RS left Contact	FMC1S/3U	0.05
F/AX2RS	additional F/AX2RS right Contact	FMC2S/3U	0.05
F/AX2LS	additional F/AX2RS left Contact	FMC2S/3U	0.05
F/AX3RS	additional F/AX3RS right Contact	FMC3S/3U	0.05
F/AX3LS	additional F/AX3RS left Contact	FMC3S/3U	0.05
F/AX4RS	additional F/AX4RS right Contact	FMC4S/3U	0.07
F/AX4LS	additional F/AX4RS left Contact	FMC4S/3U	0.07
F/AX5RS	additional F/AX5RS right Additional	FMC5S/3U	0.07
F/AX5LS	contact F/AX5RS left Additional contact	FMC5S/3U	0.07
F/AX6RS	F/AX6RS right Additional contact F/	FMC6S/3U	0.07
F/AX6LS	AX6RS left	FMC6S/3U	0.07

Order code	Full name	Installable type	Mass
F/AL1RS	Signal contact F/AL1RS right Signal	FMC1S/3U	0.05
F/AL1LS	contact F/AL1RS left Signal contact F/	FMC1S/3U	0.05
F/AL2RS	AL2RS right Signal contact F/AL2RS left	FMC2S/3U	0.05
F/AL2LS	Signal contact F/AL3RS right Signal	FMC2S/3U	0.05
F/AL3RS	contact F/AL3RS left Signal contact F/	FMC3S/3U	0.05
F/AL3LS	AL4RS right Signal contact F/AL4RS	FMC3S/3U	0.05
F/AL4RS	left Signal contact F/AL5RS right Signal	FMC4S/3U	0.07
F/AL4LS	contact F/AL5RS left Signal contact F/	FMC4S/3U	0.07
F/AL5RS	AL6RS right Signal contact F/AL6RS left	FMC5S/3U	0.07
F/AL5LS		FMC5S/3U	0.07
F/AL6RS		FMC6S/3U	0.07
F/AL6LS		FMC6S/3U	0.07

Order code	Full name	Installable type	Mass
F/SH1230RS	Independent disconnector F/SH1230RS	FMC1S/3U	0.03
F/SH1230LS	Independent disconnector F/SH1230LS	FMC1S/3U	0.03
F/SH1400RS	Independent disconnector F/SH1400RS	FMC1S/3U	0.03
F/SH1400LS	Uncoupling independent F/SH1400LS	FMC1S/3U	0.03
F/SH2230RS	Independent disconnector F/SH2230RS	FMC2S/3U	0.03
F/SH2230LS	Independent disconnector F/SH2230LS	FMC2S/3U	0.03
F/SH2400RS	Independent disconnector F/SH2400RS	FMC2S/3U	0.03
F/SH2400LS	Uncoupler independent F/SH2400LS	FMC2S/3U	0.03
F/SH3230RS	Independent disconnector F/SH3230RS	FMC3S/3U	0.04
F/SH3230LS	Independent disconnector F/SH3230LS	FMC3S/3U	0.04
F/SH3400RS	Independent disconnector F/SH3400RS	FMC3S/3U	0.04
F/SH3400LS	The decoupler is independent F/SH3400LS	FMC3S/3U	0.04
F/SH4230RS	Independent disconnector F/SH4230RS	FMC4S/3U	0.11
F/SH4230LS	Independent disconnector F/SH4230LS	FMC4S/3U	0.11
F/SH4400RS	Independent disconnector F/SH4400RS	FMC4S/3U	0.11
F/SH4400LS	The decoupler is independent F/SH4400LS	FMC4S/3U	0.11
F/SH5230RS	Independent disconnector F/SH5230RS	FMC5S/3U	0.11
F/SH5230LS	Independent disconnector F/SH5230LS	FMC5S/3U	0.11
F/SH5400RS	Independent disconnector F/SH5400RS	FMC5S/3U	0.11
F/SH5400LS	Uncoupler independent F/SH5400LS	FMC5S/3U	0.11
F/SH6230RS	Independent disconnector F/SH6230RS	FMC6S/3U	0.17
F/SH6230LS	Independent disconnector F/SH6230LS	FMC6S/3U	0.17
F/SH6400RS	Independent disconnector F/SH6400RS	FMC6S/3U	0.17
F/SH6400LS	The uncoupler is independent F/SH6400LS	FMC6S/3U	0.17

Machine Translated by Google

Additional devices for FMCS circuit breakers

Order code	Full name	Installable type	Mass
F/UV1230S	Undervoltage release F/UV1230S Undervoltage	FMC1S/3U	0.20
F/UV2230S	release F/UV2230S Undervoltage release F/	FMC2S/3U	0.20
F/UV3230S	UV3230S Undervoltage release F/UV4230S	FMC3S/3U	0.12
F/UV4230S	Undervoltage release F/UV5230S Undervoltage	FMC4S/3U	0.20
F/UV5230S	release F/UV6230S	FMC5S/3U	0.16
F/UV6230S		FMC6S/3U	0.16

Order code	Full name	Installable type	Mass
F/HB1S	Manual remote-rotary drive F/HB1S	FMC1S/3U	0.47
F/HB2S	F/HB2S manual remote rotary actuator F/HB3S	FMC2S/3U	0.51
F/HB3S	manual remote rotary actuator F/HB4S manual remote	FMC3S/3U	0.60
F/HB4S	rotary actuator	FMC4S/3U	1.31
F/HB5S	Manual remote-rotary drive F/HB5S	FMC5S/3U	1.47
F/HB6S	Manual remote-turning drive F/HB6S	FMC6S/3U	1.72

Order code	Full name	Installable type	Mass
MROM31S	Remote control unit MROM3/1S Remote control	FMC1S/3U	0.86
MROM32S	unit MROM3/2S Remote control unit MROM3/3S	FMC2S/3U	1.18
MROM33S	Remote control unit MROM3/4S Remote control	FMC3S/3U	1.20
MROM34S	unit MROM3/5S Remote control unit MROM3/6S	FMC4S/3U	3.7
MROM35S		FMC5S/3U	3.8
MROM36S		FMC6S/3U	3.9