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FMCSi circuit breakers

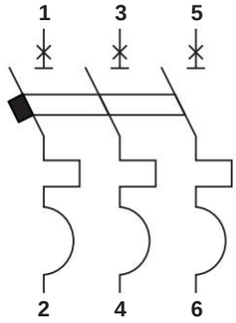
max 800A



Specifications

Type		FMC1Si/3U	FMC4Si/3U	FMC5Si/3U	FMC6Si/3U
Maximum dimension current		125	400	630	800
Nominal current of the disconnector In, A		32,40,50,63,80, 100,125	225,250,300,315, 350,400	400,500,600,630	600,630,700,800
Compliance with the standard			IEC60947-2		
Number of poles		3	3	3	3
Magnetic settings Iÿ(xIn)			8 / 10 / 12		
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	25	25	35
Limit switch capacity Icu, kA (AC 380/415 V)		35	50	50	70
Switching wear resistance (number of on/off cycles)	electric	7000	1500	1000	1000
	mechanical	10000	5000	4000	4000
Front connection with tires		Yes	Yes	Yes	Yes
Rear connection with tires		Yes	Yes	Yes	Yes
Establishing a signal contact		Yes	Yes	Yes	Yes
Installation of an independent disconnector		Yes	Yes	Yes	Yes
Installation of the minimum voltage release		Yes	Yes	Yes	Yes
Establishing an additional contact		Yes	Yes	Yes	Yes
Installation of a manual drive		Yes	Yes	Yes	Yes
Installation of the remote control unit		Yes	Yes	Yes	Yes
Type of release			electromagnetic/thermal		
Net weight, kg		0.95	5.15	7.20	8.95

Schematic diagram



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FMCSi circuit breakers

	Code order	Full name	Packaging, pcs	Gross weight, kg	
			Packaging Box	Unit Packaging	Box
FMC4Si	FMC4Si225	Automatic circuit breaker with thermomagnetic regulation FMC4Si 3P 225A 85kA 1	2	5,150	5,150 10,300
	FMC4Si250	Automatic circuit breaker with thermomagnetic regulation FMC4Si 3P 250A 85kA 1	2	5,150	5,150 10,300
	FMC4Si300	Automatic circuit breaker with thermomagnetic regulation FMC4Si 3P 300A 85kA 1	2	5,150	5,150 10,300
	FMC4Si315	Automatic circuit breaker with thermomagnetic regulation FMC4Si 3P 315A 85kA 1	2	5,150	5,150 10,300
	FMC4Si320	Automatic circuit breaker with thermomagnetic regulation FMC4Si 3P 320A 85kA 1	2	5,150	5,150 10,300
	FMC4Si350	Automatic circuit breaker with thermomagnetic regulation FMC4Si 3P 350A 85kA 1	2	5,150	5,150 10,300
	FMC4Si400	Automatic circuit breaker with thermomagnetic regulation FMC4Si 3P 400A 85kA 1	2	5,150	5,150 10,300
FMC5Si	FMC5Si400	Automatic circuit breaker with thermomagnetic regulation FMC5Si 3P 400A 85kA 1	2	7,200	7,200 14,400
	FMC5Si500	Automatic circuit breaker with thermomagnetic regulation FMC5Si 3P 500A 85kA 1	2	7,200	7,200 14,400
	FMC5Si630	Automatic circuit breaker with thermomagnetic regulation FMC5Si 3P 630A 85kA 1	2	7,200	7,200 14,400
FMC6Si	FMC6Si630	Automatic circuit breaker with thermomagnetic regulation FMC6Si 3P 630A 85kA 1	1	8,950	8,950 8,950
	FMC6Si700	Automatic circuit breaker with thermomagnetic regulation FMC6Si 3P 700A 85kA 1	1	8,950	8,950 8,950
	FMC6Si800	Automatic circuit breaker with thermomagnetic regulation FMC6Si 3P 800A 85kA 1	1	8,950	8,950 8,950

Additional devices for FMCSi circuit breakers

Order code	Full name	Installable type	Mass
F/AX1RSi	Contact additional F/AX1RSi right	FMC1Si/3U	0.05
F/AX1LSi	Contact additional F/AX1RSi left	FMC1Si/3U	0.05
F/AX2RSi	Contact additional F/AX2RSi right	FMC2Si/3U	0.05
F/AX2LSi	Contact additional F/AX2RSi left	FMC2Si/3U	0.05
F/AX3RSi	Contact additional F/AX3RSi right	FMC3Si/3U	0.05
F/AX3LSi	Contact additional F/AX3RSi left	FMC3Si/3U	0.05
F/AX4RSi	Contact additional F/AX4RSi right	FMC4Si/3U	0.07
F/AX4LSi	Contact additional F/AX4RSi left	FMC4Si/3U	0.07
F/AX5RSi	Contact additional F/AX5RSi right	FMC5Si/3U	0.07
F/AX5LSi	Contact additional F/AX5RSi left	FMC5Si/3U	0.07
F/AX6RSi	Contact additional F/AX6RSi right	FMC6Si/3U	0.07
F/AX6LSi	Contact additional F/AX6RSi left	FMC6Si/3U	0.07

Order code	Full name	Installable type	Mass
F/AL1RSi	Signal contact F/AL1RSi right	FMC1Si/3U	0.05
F/AL1LSi	Signal contact F/AL1RSi left	FMC1Si/3U	0.05
F/AL2RSi	Contact signal F/AL2RSi right	FMC2Si/3U	0.05
F/AL2LSi	Signal contact F/AL2RSi left	FMC2Si/3U	0.05
F/AL3RSi	Contact signal F/AL3RSi right	FMC3Si/3U	0.05
F/AL3LSi	Signal contact F/AL3RSi left	FMC3Si/3U	0.05
F/AL4RSi	Contact signal F/AL4RSi right	FMC4Si/3U	0.07
F/AL4LSi	Signal contact F/AL4RSi left	FMC4Si/3U	0.07
F/AL5RSi	Contact signal F/AL5RSi right	FMC5Si/3U	0.07
F/AL5LSi	Signal contact F/AL5RSi left	FMC5Si/3U	0.07
F/AL6RSi	Signal contact F/AL6RSi right	FMC6Si/3U	0.07
F/AL6LSi	Signal contact F/AL6RSi left	FMC6Si/3U	0.07

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Additional devices for FMCSi circuit breakers

Order code	Full name	Installable type	Mass
F/SH1230RSi	Uncoupler independent F/SH1230RSi	FMC1Si/3U	0.03
F/SH1230LSi	Uncoupler independent F/SH1230LSi	FMC1Si/3U	0.03
F/SH1400RSi	Uncoupler independent F/SH1400LSi Uncoupler	FMC1Si/3U	0.03
F/SH1400LSi	independent F/SH2230RSi Uncoupler	FMC1Si/3U	0.03
F/SH2230RSi	independent F/SH2400RSi Uncoupler	FMC2Si/3U	0.03
F/SH2230LSi	independent F/SH2400LSi Uncoupler	FMC2Si/3U	0.03
F/SH2400RSi	Independent F/SH3230RSi Uncoupler F/	FMC2Si/3U	0.03
F/SH2400LSi	SH3230LSi Uncoupler independent F/	FMC2Si/3U	0.03
F/SH3230RSi	SH3400RSi Uncoupler independent F/	FMC3Si/3U	0.04
F/SH3230LSi	SH3400LSi Uncoupler independent F/	FMC3Si/3U	0.04
F/SH3400RSi	SH4230LSi Uncoupler independent F/	FMC3Si/3U	0.04
F/SH3400LSi	SH4400RSi Uncoupler independent F/	FMC3Si/3U	0.04
F/SH4230RSi	SH5230RSi Uncoupler independent F/	FMC4Si/3U	0.11
F/SH4230LSi	SH5230LSi Uncoupler independent decoupler	FMC4Si/3U	0.11
F/SH4400RSi	F/SH5400RSi independent decoupler F/	FMC4Si/3U	0.11
F/SH4400LSi	SH5400LSi Independent disconnector F/	FMC4Si/3U	0.11
F/SH5230RSi	SH6230RSi Independent disconnector F/	FMC5Si/3U	0.11
F/SH5230LSi	SH6230LSi Independent disconnector F/	FMC5Si/3U	0.11
F/SH5400RSi	SH6400RSi Independent disconnector F/	FMC5Si/3U	0.11
F/SH5400LSi	SH6400LSi	FMC5Si/3U	0.11
F/SH6230RSi		FMC6Si/3U	0.17
F/SH6230LSi		FMC6Si/3U	0.17
F/SH6400RSi		FMC6Si/3U	0.17
F/SH6400LSi		FMC6Si/3U	0.17

Order code	Full name	Installable type	Mass
F/UV1230Si	F/UV1230Si undervoltage release	FMC1Si/3U	0.20
F/UV2230Si	F/UV2230Si undervoltage release	FMC2Si/3U	0.20
F/UV3230Si	Undervoltage release F/UV3230Si Undervoltage	FMC3Si/3U	0.12
F/UV4230Si	release F/UV4230Si Undervoltage release F/UV5230Si	FMC4Si/3U	0.20
F/UV5230Si		FMC5Si/3U	0.16
F/UV6230Si	F/UV6230Si undervoltage release	FMC6Si/3U	0.16

Order code	Full name	Installable type	Mass
F/HB1Si	Manual remote-turning drive F/HB1Si	FMC1Si/3U	0.47
F/HB2Si	Manual remote rotary drive F/HB2Si	FMC2Si/3U	0.51
F/HB3Si	F/HB3Si manual remote rotary actuator F/HB4Si manual	FMC3Si/3U	0.60
F/HB4Si	remote rotary actuator F/HB5Si manual remote rotary	FMC4Si/3U	1.31
F/HB5Si	actuator	FMC5Si/3U	1.47
F/HB6Si	Manual remote-turning drive F/HB6Si	FMC6Si/3U	1.72

Order code	Full name	Installable type	Mass
MROM31Si	Remote control unit MROM3/1Si Remote control	FMC1Si	0.86
MROM32Si	unit MROM3/2Si Remote control unit MROM3/3Si	FMC2Si	1.18
MROM33Si	Remote control unit MROM3/4Si Remote control	FMC3Si	1.20
MROM34Si	unit MROM3/5Si Remote control unit MROM3/6Si	FMC4Si	3.7
MROM35Si		FMC5Si	3.8
MROM36Si		FMC6Si	3.9