






## Cut phase speed controllers

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Part-number	MCHRTF*	MCHRTF10C0	FCSM*	FCP*	FCS3*	FCR3*
						
Version	MCHRTF - Singlephase	MCHRTF - Single phase (Industrial)	FCSM - Single phase	FCP - Single phase	FCS3 - Threephase	FCR3 - Threephase
Self-Powered supply	230VAC +10%...-15% 50/60Hz	230VAC +10%...-15% 50/60Hz	230VAC +10%...-15% 50/60Hz	230VAC +10%...-15% 50/60Hz	400Vac -15%...+10% 50...60Hz	400Vac -15%...+10% 50...60Hz
Current range	4, 8, 12 A	10A	4, 8, 12 A	8A	9, 12, 20, 40 A	6, 9, 12, 20, 40 A
Digital output	-	-	-	-	-	SPDT - 5A 250Vac
Analogue inputs	PWM	PWM	0...10V	0...5V ratiom. x 2 + NTCx1 0...10V	Configurable 0...10V, PWM	Configurable 0...10V, PWM, 0...20mA
Digital input	-	-	-	Clean contact	-	Clean contact
Serial connection	-	-	-	RS485 Modbus	-	RS485 Modbus
Baud-rate	-	-	-	19200 bit/s	-	9600, 19200, 48400 bit/s
Operating condition range	-10...50°C not-condensing	-10...50°C not-condensing	-10...50°C not-condensing	-20...50°C not-condensing	-10...40°C not-condensing	-20...50°C not-condensing
Index of protection	IP00	IP00	IP00	IP54	IP20	IP55
In accordance with	EN55014-1, EN55014-2, EN61000-6-1, EN61000-6-2, EN61000-6-3, EN61000-6-4, EN60730-1, EN61010-1, EN61000-6-2, EN61000-6-4, EN60730-1, EN61010-1	EN61000-6-2, EN61000-6-4, EN60730-1, EN61010-1	EN55014-1; EN55014-2; EN61000-6-1; EN61000-6-2; EN61000-6-3; EN61000-6-4; EN60730-1; EN61010-1.	EN61326-1, EN55014-1, EN55014-2, EN60730-1	EN60730-1, EN50081-1, EN50082-1, EN55014-1, EN 55014-2, EN50081-2, EN 50082-2	EN60730-1, EN55014-1, EN55014-2, EN60000-6-2, EN61000-6-3
Documentation	+050002855	+050002925	+050004075	+050000690 +030220390 +030220391	+050004070	+050004065 +030222150