

Order of series	Order of series	Rated output W	Encoder	Brake	End position	Oil	Motor L/F	Power supply V	Mount	File Name of file
MSMF	MSMF102L1C6*	1.0 k	23bit Absolute Encoder	No	Straight	Yes (NBR)	200	Connector (JAE/J110)	Special order product	MSMF102L1[6].without.brake.df
MSMF	MSMF102L1C8*	1.0 k	23bit Absolute Encoder	No	Straight	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/J110)	Special order product	MSMF102L1[8].without.brake.df
MSMF	MSMF102L1C5*	1.0 k	23bit Absolute Encoder	No	Straight	Yes (NBR)	200	Connector (JAE/J110)	Standard	MSMF102L1[5].without.brake.df
MSMF	MSMF102L1C8	1.0 k	23bit Absolute Encoder	No	Straight	Yes (NBR)	200	Connector (JAE/J110)	Standard	MSMF102L1[8].without.brake.df
MSMF	MSMF102L1C7	1.0 k	23bit Absolute Encoder	No	Straight	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/J110)	Standard	MSMF102L1[7].without.brake.df
MSMF	MSMF102L1C8*	1.0 k	23bit Absolute Encoder	No	Straight	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/J110)	Standard	MSMF102L1[8].without.brake.df
MSMF	MSMF102L1D6*	1.0 k	23bit Absolute Encoder	Yes	Straight	Yes (NBR)	200	Connector (JAE/J110)	Special order product	MSMF102L1[6].with.brake.df
MSMF	MSMF102L1D8*	1.0 k	23bit Absolute Encoder	Yes	Straight	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/J110)	Special order product	MSMF102L1[8].with.brake.df
MSMF	MSMF102L1D5*	1.0 k	23bit Absolute Encoder	Yes	Straight	Yes (NBR)	200	Connector (JAE/J110)	Standard	MSMF102L1[5].with.brake.df
MSMF	MSMF102L1D6	1.0 k	23bit Absolute Encoder	Yes	Straight	Yes (NBR)	200	Connector (JAE/J110)	Standard	MSMF102L1[6].with.brake.df
MSMF	MSMF102L1D7	1.0 k	23bit Absolute Encoder	Yes	Straight	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/J110)	Standard	MSMF102L1[7].with.brake.df
MSMF	MSMF102L1D8	1.0 k	23bit Absolute Encoder	Yes	Straight	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/J110)	Standard	MSMF102L1[8].with.brake.df
MSMF	MSMF102L1D8*	1.0 k	23bit Absolute Encoder	Yes	Straight	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/J110)	Standard	MSMF102L1[8].with.brake.df
MSMF	MSMF102L1G6*	1.0 k	23bit Absolute Encoder	No	With key	Yes (NBR)	200	Connector (JAE/J110)	Special order product	MSMF102L1[6].with.brake.df
MSMF	MSMF102L1G8*	1.0 k	23bit Absolute Encoder	No	With key	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/J110)	Special order product	MSMF102L1[8].with.brake.df
MSMF	MSMF102L1G5*	1.0 k	23bit Absolute Encoder	No	With key	Yes (NBR)	200	Connector (JAE/J110)	Standard	MSMF102L1[5].without.brake.df
MSMF	MSMF102L1G6	1.0 k	23bit Absolute Encoder	No	With key	Yes (NBR)	200	Connector (JAE/J110)	Standard	MSMF102L1[6].without.brake.df
MSMF	MSMF102L1G7	1.0 k	23bit Absolute Encoder	No	With key	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/J110)	Standard	MSMF102L1[7].without.brake.df
MSMF	MSMF102L1G8	1.0 k	23bit Absolute Encoder	No	With key	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/J110)	Standard	MSMF102L1[8].without.brake.df
MSMF	MSMF102L1H6*	1.0 k	23bit Absolute Encoder	Yes	With key	Yes (NBR)	200	Connector (JAE/J110)	Special order product	MSMF102L1[6].with.brake.df
MSMF	MSMF102L1H8*	1.0 k	23bit Absolute Encoder	Yes	With key	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/J110)	Special order product	MSMF102L1[8].with.brake.df
MSMF	MSMF102L1H5*	1.0 k	23bit Absolute Encoder	Yes	With key	Yes (NBR)	200	Connector (JAE/J110)	Standard	MSMF102L1[5].with.brake.df
MSMF	MSMF102L1H6	1.0 k	23bit Absolute Encoder	Yes	With key	Yes (NBR)	200	Connector (JAE/J110)	Standard	MSMF102L1[6].with.brake.df
MSMF	MSMF102L1H7	1.0 k	23bit Absolute Encoder	Yes	With key	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/J110)	Standard	MSMF102L1[7].with.brake.df
MSMF	MSMF102L1H8	1.0 k	23bit Absolute Encoder	Yes	With key	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/J110)	Standard	MSMF102L1[8].with.brake.df
MSMF	MSMF152L1C6*	1.5 k	23bit Absolute Encoder	No	Straight	Yes (NBR)	200	Connector (JAE/J110)	Special order product	MSMF152L1[6].without.brake.df
MSMF	MSMF152L1C8*	1.5 k	23bit Absolute Encoder	No	Straight	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/J110)	Special order product	MSMF152L1[8].without.brake.df
MSMF	MSMF152L1C5*	1.5 k	23bit Absolute Encoder	No	Straight	Yes (NBR)	200	Connector (JAE/J110)	Standard	MSMF152L1[5].without.brake.df
MSMF	MSMF152L1C6	1.5 k	23bit Absolute Encoder	No	Straight	Yes (NBR)	200	Connector (JAE/J110)	Standard	MSMF152L1[6].without.brake.df
MSMF	MSMF152L1C7	1.5 k	23bit Absolute Encoder	No	Straight	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/J110)	Standard	MSMF152L1[7].without.brake.df
MSMF	MSMF152L1C8	1.5 k	23bit Absolute Encoder	No	Straight	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/J110)	Standard	MSMF152L1[8].without.brake.df
MSMF	MSMF152L1D6*	1.5 k	23bit Absolute Encoder	Yes	Straight	Yes (NBR)	200	Connector (JAE/J110)	Special order product	MSMF152L1[6].with.brake.df
MSMF	MSMF152L1D8*	1.5 k	23bit Absolute Encoder	Yes	Straight	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/J110)	Special order product	MSMF152L1[8].with.brake.df
MSMF	MSMF152L1D5*	1.5 k	23bit Absolute Encoder	Yes	Straight	Yes (NBR)	200	Connector (JAE/J110)	Standard	MSMF152L1[5].with.brake.df
MSMF	MSMF152L1D6	1.5 k	23bit Absolute Encoder	Yes	Straight	Yes (NBR)	200	Connector (JAE/J110)	Standard	MSMF152L1[6].with.brake.df

[Notice]

The content for this list are subjected to change without notice
Another symbol is switched

Model of series	Order code	Rated output W	Encoder	Brake	End of shaft	Oil seal	Motor Life	Power supply	Mount	File
MDMF	MDMF102L108	1.0 k	23bit Absolute Encoder	Yes	Straight	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/J110)	Standard	MDMF102L11[8].with.brake.df
MDMF	MDMF102L1G6+	1.0 k	23bit Absolute Encoder	No	With key	Yes (NBR)	200	Connector (JAE/J110)	Special order product	MDMF102L11[8].without.brake.df
MDMF	MDMF102L1G8+	1.0 k	23bit Absolute Encoder	No	With key	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/J110)	Special order product	MDMF102L11[8].without.brake.df
MDMF	MDMF102L1G5	1.0 k	23bit Absolute Encoder	No	With key	Yes (NBR)	200	Connector (JAE/J110)	Standard	MDMF102L11[9].with.brake.df
MDMF	MDMF102L1G6	1.0 k	23bit Absolute Encoder	No	With key	Yes (NBR)	200	Connector (JAE/J110)	Standard	MDMF102L11[9].with.brake.df
MDMF	MDMF102L1G7	1.0 k	23bit Absolute Encoder	No	With key	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/J110)	Standard	MDMF102L11[9].with.brake.df
MDMF	MDMF102L1G8	1.0 k	23bit Absolute Encoder	No	With key	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/J110)	Standard	MDMF102L11[9].with.brake.df
MDMF	MDMF102L1H6+	1.0 k	23bit Absolute Encoder	Yes	With key	Yes (NBR)	200	Connector (JAE/J110)	Special order product	MDMF102L11[9].with.brake.df
MDMF	MDMF102L1H8+	1.0 k	23bit Absolute Encoder	Yes	With key	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/J110)	Special order product	MDMF102L11[9].with.brake.df
MDMF	MDMF102L1H5	1.0 k	23bit Absolute Encoder	No	With key	Yes (NBR)	200	Connector (JAE/J110)	Standard	MDMF102L11[9].with.brake.df
MDMF	MDMF102L1H6	1.0 k	23bit Absolute Encoder	Yes	With key	Yes (NBR)	200	Connector (JAE/J110)	Standard	MDMF102L11[9].with.brake.df
MDMF	MDMF102L1H7	1.0 k	23bit Absolute Encoder	Yes	With key	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/J110)	Standard	MDMF102L11[9].with.brake.df
MDMF	MDMF102L1H8	1.0 k	23bit Absolute Encoder	Yes	With key	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/J110)	Standard	MDMF102L11[9].with.brake.df
MDMF	MDMF152L108	1.5 k	23bit Absolute Encoder	No	Straight	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/J110)	Special order product	MDMF152L11[8].without.brake.df
MDMF	MDMF152L1G5	1.5 k	23bit Absolute Encoder	No	Straight	Yes (NBR)	200	Connector (JAE/J110)	Standard	MDMF152L11[8].without.brake.df
MDMF	MDMF152L1G6	1.5 k	23bit Absolute Encoder	No	Straight	Yes (NBR)	200	Connector (JAE/J110)	Standard	MDMF152L11[8].without.brake.df
MDMF	MDMF152L1G7	1.5 k	23bit Absolute Encoder	No	Straight	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/J110)	Standard	MDMF152L11[7].without.brake.df
MDMF	MDMF152L1G8	1.5 k	23bit Absolute Encoder	No	Straight	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/J110)	Standard	MDMF152L11[7].without.brake.df
MDMF	MDMF152L1D6+	1.5 k	23bit Absolute Encoder	Yes	Straight	Yes (NBR)	200	Connector (JAE/J110)	Special order product	MDMF152L11[8].with.brake.df
MDMF	MDMF152L1D8+	1.5 k	23bit Absolute Encoder	Yes	Straight	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/J110)	Special order product	MDMF152L11[8].with.brake.df
MDMF	MDMF152L1D5	1.5 k	23bit Absolute Encoder	Yes	Straight	Yes (NBR)	200	Connector (JAE/J110)	Standard	MDMF152L11[9].with.brake.df
MDMF	MDMF152L1D6	1.5 k	23bit Absolute Encoder	Yes	Straight	Yes (NBR)	200	Connector (JAE/J110)	Standard	MDMF152L11[9].with.brake.df
MDMF	MDMF152L1D7	1.5 k	23bit Absolute Encoder	Yes	Straight	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/J110)	Standard	MDMF152L11[9].with.brake.df
MDMF	MDMF152L1D8	1.5 k	23bit Absolute Encoder	Yes	Straight	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/J110)	Standard	MDMF152L11[9].with.brake.df
MDMF	MDMF152L1G6+	1.5 k	23bit Absolute Encoder	No	With key	Yes (NBR)	200	Connector (JAE/J110)	Special order product	MDMF152L11[8].without.brake.df
MDMF	MDMF152L1G8+	1.5 k	23bit Absolute Encoder	No	With key	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/J110)	Special order product	MDMF152L11[8].without.brake.df
MDMF	MDMF152L1G5	1.5 k	23bit Absolute Encoder	No	With key	Yes (NBR)	200	Connector (JAE/J110)	Standard	MDMF152L11[9].with.brake.df
MDMF	MDMF152L1G7	1.5 k	23bit Absolute Encoder	No	With key	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/J110)	Standard	MDMF152L11[9].with.brake.df
MDMF	MDMF152L1G8	1.5 k	23bit Absolute Encoder	No	With key	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/J110)	Standard	MDMF152L11[9].with.brake.df
MDMF	MDMF152L1H6+	1.5 k	23bit Absolute Encoder	Yes	With key	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/J110)	Special order product	MDMF152L11[9].with.brake.df
MDMF	MDMF152L1H8+	1.5 k	23bit Absolute Encoder	Yes	With key	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/J110)	Special order product	MDMF152L11[9].with.brake.df
MDMF	MDMF152L1H5	1.5 k	23bit Absolute Encoder	Yes	With key	Yes (NBR)	200	Connector (JAE/J110)	Standard	MDMF152L11[9].with.brake.df
MDMF	MDMF152L1H6	1.5 k	23bit Absolute Encoder	Yes	With key	Yes (NBR)	200	Connector (JAE/J110)	Standard	MDMF152L11[9].with.brake.df
MDMF	MDMF152L1H7	1.5 k	23bit Absolute Encoder	Yes	With key	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/J110)	Standard	MDMF152L11[9].with.brake.df
MDMF	MDMF152L1H8	1.5 k	23bit Absolute Encoder	Yes	With key	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/J110)	Standard	MDMF152L11[9].with.brake.df
MDMF	MDMF202L108	2.0 k	23bit Absolute Encoder	No	Straight	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/J110)	Special order product	MDMF202L11[8].without.brake.df
MDMF	MDMF202L1G5	2.0 k	23bit Absolute Encoder	No	Straight	Yes (NBR)	200	Connector (JAE/J110)	Standard	MDMF202L11[8].without.brake.df
MDMF	MDMF202L1G6	2.0 k	23bit Absolute Encoder	No	Straight	Yes (NBR)	200	Connector (JAE/J110)	Standard	MDMF202L11[8].without.brake.df
MDMF	MDMF202L1C8+	2.0 k	23bit Absolute Encoder	Yes	Straight	Yes (NBR)	200	Connector (JAE/J110)	Special order product	MDMF202L11[8].with.brake.df
MDMF	MDMF202L1D6+	2.0 k	23bit Absolute Encoder	Yes	Straight	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/J110)	Special order product	MDMF202L11[8].with.brake.df
MDMF	MDMF202L1D8+	2.0 k	23bit Absolute Encoder	Yes	Straight	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/J110)	Special order product	MDMF202L11[8].with.brake.df
MDMF	MDMF202L1D5	2.0 k	23bit Absolute Encoder	Yes	Straight	Yes (NBR)	200	Connector (JAE/J110)	Standard	MDMF202L11[9].with.brake.df
MDMF	MDMF202L1D6	2.0 k	23bit Absolute Encoder	Yes	Straight	Yes (NBR)	200	Connector (JAE/J110)	Standard	MDMF202L11[9].with.brake.df
MDMF	MDMF202L1D7	2.0 k	23bit Absolute Encoder	Yes	Straight	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/J110)	Standard	MDMF202L11[9].with.brake.df
MDMF	MDMF202L1D8	2.0 k	23bit Absolute Encoder	Yes	Straight	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/J110)	Standard	MDMF202L11[9].with.brake.df
MDMF	MDMF202L1G6+	2.0 k	23bit Absolute Encoder	No	With key	Yes (NBR)	200	Connector (JAE/J110)	Special order product	MDMF202L11[8].without.brake.df
MDMF	MDMF202L1G8+	2.0 k	23bit Absolute Encoder	No	With key	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/J110)	Special order product	MDMF202L11[8].without.brake.df
MDMF	MDMF202L1G5	2.0 k	23bit Absolute Encoder	No	With key	Yes (NBR)	200	Connector (JAE/J110)	Standard	MDMF202L11[9].with.brake.df
MDMF	MDMF202L1G6	2.0 k	23bit Absolute Encoder	No	With key	Yes (NBR)	200	Connector (JAE/J110)	Standard	MDMF202L11[9].with.brake.df
MDMF	MDMF202L1G7	2.0 k	23bit Absolute Encoder	No	With key	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/J110)	Standard	MDMF202L11[9].with.brake.df
MDMF	MDMF202L1G8	2.0 k	23bit Absolute Encoder	No	With key	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/J110)	Standard	MDMF202L11[9].with.brake.df
MDMF	MDMF202L1H6+	2.0 k	23bit Absolute Encoder	Yes	With key	Yes (NBR)	200	Connector (JAE/J110)	Special order product	MDMF202L11[9].with.brake.df
MDMF	MDMF202L1H8+	2.0 k	23bit Absolute Encoder	Yes	With key	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/J110)	Special order product	MDMF202L11[9].with.brake.df
MDMF	MDMF202L1H5	2.0 k	23bit Absolute Encoder	Yes	With key	Yes (NBR)	200	Connector (JAE/J110)	Standard	MDMF202L11[9].with.brake.df
MDMF	MDMF202L1H6	2.0 k	23bit Absolute Encoder	Yes	With key	Yes (NBR)	200	Connector (JAE/J110)	Standard	MDMF202L11[9].with.brake.df
MDMF	MDMF202L1H7	2.0 k	23bit Absolute Encoder	Yes	With key	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/J110)	Standard	MDMF202L11[9].with.brake.df
MDMF	MDMF202L1H8	2.0 k	23bit Absolute Encoder	Yes	With key	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/J110)	Standard	MDMF202L11[9].with.brake.df
MDMF	MDMF202L1C8+	2.0 k	23bit Absolute Encoder	No	Straight	Yes (NBR)	200	Connector (JAE/J110)	Special order product	MDMF202L11[8].without.brake.df
MDMF	MDMF302L108	3.0 k	23bit Absolute Encoder	No	Straight	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/J110)	Special order product	MDMF302L11[8].without.brake.df
MDMF	MDMF302L1G5	3.0 k	23bit Absolute Encoder	No	Straight	Yes (NBR)	200	Connector (JAE/J110)	Standard	MDMF302L11[8].without.brake.df
MDMF	MDMF302L1G6	3.0 k	23bit Absolute Encoder	No	Straight	Yes (NBR)	200	Connector (JAE/J110)	Standard	MDMF302L11[8].without.brake.df
MDMF	MDMF302L1D6+	3.0 k	23bit Absolute Encoder	Yes	Straight	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/J110)	Special order product	MDMF302L11[8].with.brake.df
MDMF	MDMF302L1D8+	3.0 k	23bit Absolute Encoder	Yes	Straight	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/J110)	Special order product	MDMF302L11[8].with.brake.df
MDMF	MDMF302L1D5	3.0 k	23bit Absolute Encoder	Yes	Straight	Yes (NBR)	200	Connector (JAE/J110)	Standard	MDMF302L11[9].with.brake.df
MDMF	MDMF302L1D6	3.0 k	23bit Absolute Encoder	Yes	Straight	Yes (NBR)	200	Connector (JAE/J110)	Standard	MDMF302L11[9].with.brake.df
MDMF	MDMF302L1D7	3.0 k	23bit Absolute Encoder	Yes	Straight	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/J110)	Standard	MDMF302L11[9].with.brake.df
MDMF	MDMF302L1D8	3.0 k	23bit Absolute Encoder	Yes	Straight	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/J110)	Standard	MDMF302L11[9].with.brake.df
MDMF	MDMF302L1G6+	3.0 k	23bit Absolute Encoder	No	With key	Yes (NBR)	200	Connector (JAE/J110)	Special order product	MDMF302L11[8].without.brake.df
MDMF	MDMF302L1G8+	3.0 k	23bit Absolute Encoder	No	With key	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/J110)	Special order product	MDMF302L11[8].without.brake.df
MDMF	MDMF302L1G5	3.0 k	23bit Absolute Encoder	No	With key	Yes (NBR)	200	Connector (JAE/J110)	Standard	MDMF302L11[9].with.brake.df
MDMF	MDMF302L1G6	3.0 k	23bit Absolute Encoder	No	With key	Yes (NBR)	200	Connector (JAE/J110)	Standard	MDMF302L11[9].with.brake.df
MDMF	MDMF302L1G7	3.0 k	23bit Absolute Encoder	No	With key	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/J110)	Standard	MDMF302L11[9].with.brake.df
MDMF	MDMF302L1G8	3.0 k	23bit Absolute Encoder	No	With key	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/J110)	Standard	MDMF302L11[9].with.brake.df
MDMF	MDMF302L1H6+	3.0 k	23bit Absolute Encoder	Yes	With key	Yes (NBR)	200	Connector (JAE/J110)	Special order product	MDMF302L11[9].with.brake.df
MDMF	MDMF302L1H8+	3.0 k	23bit Absolute Encoder	Yes	With key	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/J110)	Special order product	MDMF302L11[9].with.brake.df
MDMF	MDMF302L1H5	3.0 k	23bit Absolute Encoder	Yes	With key	Yes (NBR)	200	Connector (JAE/J110)	Standard	MDMF302L11[9].with.brake.df
MDMF	MDMF302L1H6	3.0 k	23bit Absolute Encoder	Yes	With key	Yes (NBR)	200	Connector (JAE/J110)	Standard	MDMF302L11[9].with.brake.df
MDMF	MDMF302L1H7	3.0 k	23bit Absolute Encoder	Yes	With key	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/J110)	Standard	MDMF302L11[9].with.brake.df
MDMF	MDMF302L1H8	3.0 k	23bit Absolute Encoder	Yes	With key	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/J110)	Standard	MDMF302L11[9].with.brake.df
MDMF	MDMF402L108	4.0 k	23bit Absolute Encoder	No	Straight	Yes (NBR)	200	Connector (JAE/J110)	Special order product	MDMF402L11[8].without.brake.df
MDMF	MDMF402L1G5	4.0 k	23bit Absolute Encoder	No	Straight	Yes (NBR)	200	Connector (JAE/J110)	Standard	MDMF402L11[8].without.brake.df
MDMF	MDMF402L1G6	4.0 k	23bit Absolute Encoder	No	Straight	Yes (NBR)	200	Connector (JAE/J110)	Standard	MDMF402L11[8].without.brake.df
MDMF	MDMF402L1C7	4.0 k	23bit Absolute Encoder	No	Straight	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/J110)	Standard	MDMF402L11[7].without.brake.df
MDMF	MDMF402L1C8	4.0 k	23bit Absolute Encoder	No	Straight	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/J110)	Standard	MDMF402L11[7].without.brake.df
MDMF	MDMF402L1D6+	4.0 k	23bit Absolute Encoder	Yes	Straight	Yes (NBR)	200	Connector (JAE/J110)	Special order product	MDMF402L11[8].with.brake.df
MDMF	MDMF402L1D8+	4.0 k	23bit Absolute Encoder	Yes	Straight	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/J110)	Special order product	MDMF402L11[8].with.brake.df
MDMF	MDMF402L1D5	4.0 k	23bit Absolute Encoder	Yes	Straight	Yes (NBR)	200	Connector (JAE/J110)	Standard	MDMF402L11[9].with.brake.df
MDMF	MDMF402L1D6	4.0 k	23bit Absolute Encoder	Yes	Straight	Yes (NBR)	200	Connector (JAE/J110)	Standard	MDMF402L11[9].with.brake.df
MDMF	MDMF402L1D7	4.0 k	23bit Absolute Encoder	Yes	Straight	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/J110)	Standard	MDMF402L11[9].with.brake.df
MDMF	MDMF402L1D8	4.0 k	23bit Absolute Encoder	Yes	Straight	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/J110)	Standard	MDMF402L11[9].with.brake.df
MDMF	MDMF402L1G6+	4.0 k	23bit Absolute Encoder	No	With key	Yes (NBR)	200	Connector (JAE/J110)	Special order product	MDMF402L11[8].without.brake.df
MDMF	MDMF402L1G8+	4.0 k	23bit Absolute Encoder	No	With key	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/J110)	Special order product	MDMF402L11[8].without.brake.df
MDMF	MDMF402L1G5	4.0 k	23bit Absolute Encoder	No	With key	Yes (NBR)	200	Connector (JAE/J110)	Standard	MDMF402L11[9].with.brake.df
MDMF	MDMF402L1G6	4.0 k	23bit Absolute Encoder	No	With key	Yes (NBR)	200	Connector (JAE/J110)	Standard	MDMF402L11[9].with.brake.df
MDMF	MDMF402L1G7	4.0 k	23bit Absolute Encoder	No	With key	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/J110)	Standard	MDMF402L11[9].with.brake.df
MDMF	MDMF402L1G8	4.0 k	23bit Absolute Encoder	No	With key	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/J110)	Standard	MDMF402L11[9].with.brake.df
MDMF	MDMF402L1H6+	4.0 k	23bit Absolute Encoder	Yes	With key	Yes (NBR)	200	Connector (JAE/J110)	Special order product	MDMF402L11[9].with.brake.df
MDMF	MDMF402L1H8+	4.0 k	23bit Absolute Encoder	Yes	With key	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/J110)	Special order product	MDMF402L11[9].with.brake.df
MDMF	MDMF402L1H5	4.0 k	23bit Absolute Encoder	Yes	With key	Yes (NBR)	200	Connector (JAE/J110)	Standard	MDMF402L11[9].with.brake.df
MDMF	MDMF402L1H6	4.0 k	23bit Absolute Encoder	Yes	With key	Yes (NBR)	200	Connector (JAE/J110)	Standard	MDMF402L11[9].with.brake.df
MDMF	MDMF402L1H7	4.0 k	23bit Absolute Encoder	Yes	With key	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/J110)	Standard	MDMF402L11[9].with.brake.df
MDMF	MDMF402L1H8	4.0 k	23bit Absolute Encoder	Yes	With key	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/J110)	Standard	MDMF402L11[9].with.brake.df
MDMF	MDMF502L108	5.0 k	23bit Absolute Encoder	No	Straight	Yes (NBR)	200	Connector (JAE/J110)	Special order product	MDMF502L11[8].without.brake.df
MDMF	MDMF502L1G5	5.0 k	23bit Absolute Encoder	No	Straight	Yes (NBR)	200	Connector (JAE/J110)	Standard	MDMF502L11[8].without.brake.df
MDMF	MDMF502L1G6	5.0 k	23bit Absolute Encoder	No	Straight	Yes (NBR)	200	Connector (JAE/J110)	Standard	MDMF502L11[8].without.brake.df
MDMF	MDMF502L1C7	5.0 k	23bit Absolute Encoder	No	Straight	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/J110)	Standard	MDMF502L11[7].without.brake.df
MDMF	MDMF502L1C8	5.0 k								

[Notice]
The content for this list are subjected to change without notice.
Another symbol is switched

Model	Order	Rated output W	Encoder	Brake	End of shaft	Oil seal	Motor I/F	Power supply V	Mounting	Remarks
MGMF132L106	1.3k	23bit Absolute Encoder	Yes	Straight	Yes (NBR)	200	Connector (JAE/JL10)	Standard	MGMF132L106, with brake, dfx	
MGMF132L107	1.3k	23bit Absolute Encoder	Yes	Straight	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/JN2)	Standard	MGMF132L107, with brake, dfx	
MGMF132L108	1.3k	23bit Absolute Encoder	Yes	Straight	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/JL10)	Standard	MGMF132L108, with brake, dfx	
MGMF132L109	1.3k	23bit Absolute Encoder	No	With key	Yes (NBR)	200	Connector (JAE/JL10)	Special order product	MGMF132L109, without brake, dfx	
MGMF132L110	1.3k	23bit Absolute Encoder	No	With key	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/JN2)	Special order product	MGMF132L110, without brake, dfx	
MGMF132L111	1.3k	23bit Absolute Encoder	No	With key	Yes (NBR)	200	Connector (JAE/JN2)	Standard	MGMF132L111, without brake, dfx	
MGMF132L112	1.3k	23bit Absolute Encoder	No	With key	Yes (NBR)	200	Connector (JAE/JL10)	Standard	MGMF132L112, without brake, dfx	
MGMF132L113	1.3k	23bit Absolute Encoder	No	With key	Yes (NBR)	200	Connector (JAE/JL10)	Standard	MGMF132L113, without brake, dfx	
MGMF132L114	1.3k	23bit Absolute Encoder	Yes	With key	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/JL10)	Special order product	MGMF132L114, with brake, dfx	
MGMF132L115	1.3k	23bit Absolute Encoder	Yes	With key	Yes (NBR)	200	Connector (JAE/JN2)	Standard	MGMF132L115, with brake, dfx	
MGMF132L116	1.3k	23bit Absolute Encoder	Yes	With key	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/JL10)	Standard	MGMF132L116, with brake, dfx	
MGMF132L117	1.3k	23bit Absolute Encoder	Yes	With key	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/JN2)	Special order product	MGMF132L117, with brake, dfx	
MGMF132L118	1.3k	23bit Absolute Encoder	Yes	With key	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/JL10)	Standard	MGMF132L118, with brake, dfx	
MGMF132L119	1.3k	23bit Absolute Encoder	Yes	With key	Yes (NBR)	200	Connector (JAE/JN2)	Standard	MGMF132L119, with brake, dfx	
MGMF132L120	1.3k	23bit Absolute Encoder	Yes	With key	Yes (NBR)	200	Connector (JAE/JL10)	Standard	MGMF132L120, with brake, dfx	
MGMF182L106	1.8k	23bit Absolute Encoder	No	Straight	Yes (NBR)	200	Connector (JAE/JL10)	Special order product	MGMF182L106, without brake, dfx	
MGMF182L107	1.8k	23bit Absolute Encoder	No	Straight	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/JN2)	Special order product	MGMF182L107, without brake, dfx	
MGMF182L108	1.8k	23bit Absolute Encoder	No	Straight	Yes (NBR)	200	Connector (JAE/JL10)	Standard	MGMF182L108, without brake, dfx	
MGMF182L109	1.8k	23bit Absolute Encoder	No	Straight	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/JN2)	Standard	MGMF182L109, without brake, dfx	
MGMF182L110	1.8k	23bit Absolute Encoder	No	Straight	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/JL10)	Standard	MGMF182L110, without brake, dfx	
MGMF182L111	1.8k	23bit Absolute Encoder	Yes	Straight	Yes (NBR)	200	Connector (JAE/JL10)	Special order product	MGMF182L111, with brake, dfx	
MGMF182L112	1.8k	23bit Absolute Encoder	Yes	Straight	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/JN2)	Special order product	MGMF182L112, with brake, dfx	
MGMF182L113	1.8k	23bit Absolute Encoder	Yes	Straight	Yes (NBR)	200	Connector (JAE/JL10)	Standard	MGMF182L113, with brake, dfx	
MGMF182L114	1.8k	23bit Absolute Encoder	Yes	Straight	Yes (NBR)	200	Connector (JAE/JL10)	Standard	MGMF182L114, with brake, dfx	
MGMF182L115	1.8k	23bit Absolute Encoder	Yes	Straight	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/JN2)	Special order product	MGMF182L115, with brake, dfx	
MGMF182L116	1.8k	23bit Absolute Encoder	Yes	Straight	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/JL10)	Standard	MGMF182L116, with brake, dfx	
MGMF182L117	1.8k	23bit Absolute Encoder	Yes	With key	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/JN2)	Standard	MGMF182L117, with brake, dfx	
MGMF182L118	1.8k	23bit Absolute Encoder	Yes	With key	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/JL10)	Standard	MGMF182L118, with brake, dfx	
MGMF182L119	1.8k	23bit Absolute Encoder	Yes	With key	Yes (NBR)	200	Connector (JAE/JN2)	Standard	MGMF182L119, with brake, dfx	
MGMF182L120	1.8k	23bit Absolute Encoder	Yes	With key	Yes (NBR)	200	Connector (JAE/JL10)	Standard	MGMF182L120, with brake, dfx	
MGMF292L106	2.9k	23bit Absolute Encoder	No	Straight	Yes (NBR)	200	Connector (JAE/JL10)	Special order product	MGMF292L106, without brake, dfx	
MGMF292L107	2.9k	23bit Absolute Encoder	No	Straight	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/JN2)	Special order product	MGMF292L107, without brake, dfx	
MGMF292L108	2.9k	23bit Absolute Encoder	No	Straight	Yes (NBR)	200	Connector (JAE/JL10)	Standard	MGMF292L108, without brake, dfx	
MGMF292L109	2.9k	23bit Absolute Encoder	No	Straight	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/JN2)	Standard	MGMF292L109, without brake, dfx	
MGMF292L110	2.9k	23bit Absolute Encoder	No	Straight	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/JL10)	Standard	MGMF292L110, without brake, dfx	
MGMF292L111	2.9k	23bit Absolute Encoder	Yes	Straight	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/JN2)	Special order product	MGMF292L111, with brake, dfx	
MGMF292L112	2.9k	23bit Absolute Encoder	Yes	Straight	Yes (NBR)	200	Connector (JAE/JL10)	Standard	MGMF292L112, with brake, dfx	
MGMF292L113	2.9k	23bit Absolute Encoder	Yes	Straight	Yes (NBR)	200	Connector (JAE/JL10)	Standard	MGMF292L113, with brake, dfx	
MGMF292L114	2.9k	23bit Absolute Encoder	Yes	Straight	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/JN2)	Special order product	MGMF292L114, with brake, dfx	
MGMF292L115	2.9k	23bit Absolute Encoder	Yes	With key	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/JL10)	Standard	MGMF292L115, with brake, dfx	
MGMF292L116	2.9k	23bit Absolute Encoder	Yes	With key	Yes (NBR)	200	Connector (JAE/JN2)	Standard	MGMF292L116, with brake, dfx	
MGMF292L117	2.9k	23bit Absolute Encoder	Yes	With key	Yes (NBR)	200	Connector (JAE/JL10)	Standard	MGMF292L117, with brake, dfx	
MGMF292L118	2.9k	23bit Absolute Encoder	Yes	With key	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/JN2)	Standard	MGMF292L118, with brake, dfx	
MGMF292L119	2.9k	23bit Absolute Encoder	Yes	With key	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/JL10)	Standard	MGMF292L119, with brake, dfx	
MGMF292L120	2.9k	23bit Absolute Encoder	Yes	With key	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/JN2)	Special order product	MGMF292L120, with brake, dfx	
MGMF442L106	4.4k	23bit Absolute Encoder	No	Straight	Yes (NBR)	200	Connector (JAE/JL10)	Special order product	MGMF442L106, without oilseal, dfx	
MGMF442L107	4.4k	23bit Absolute Encoder	No	Straight	Yes (NBR)	200	Connector (JAE/JL10)	Standard	MGMF442L107, without oilseal, dfx	
MGMF442L108	4.4k	23bit Absolute Encoder	No	Straight	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/JN2)	Standard	MGMF442L108, without oilseal, dfx	
MGMF442L109	4.4k	23bit Absolute Encoder	No	Straight	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/JL10)	Standard	MGMF442L109, without oilseal, dfx	
MGMF442L110	4.4k	23bit Absolute Encoder	Yes	Straight	Yes (NBR)	200	Connector (JAE/JL10)	Special order product	MGMF442L110, with brake, dfx	
MGMF442L111	4.4k	23bit Absolute Encoder	Yes	Straight	Yes (NBR)	200	Connector (JAE/JN2)	Standard	MGMF442L111, with brake, dfx	
MGMF442L112	4.4k	23bit Absolute Encoder	Yes	Straight	Yes (NBR)	200	Connector (JAE/JL10)	Standard	MGMF442L112, with brake, dfx	
MGMF442L113	4.4k	23bit Absolute Encoder	Yes	Straight	Yes (NBR)	200	Connector (JAE/JL10)	Standard	MGMF442L113, with brake, dfx	
MGMF442L114	4.4k	23bit Absolute Encoder	Yes	Straight	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/JN2)	Special order product	MGMF442L114, with brake, dfx	
MGMF442L115	4.4k	23bit Absolute Encoder	Yes	With key	Yes (NBR)	200	Connector (JAE/JL10)	Standard	MGMF442L115, with brake, dfx	
MGMF442L116	4.4k	23bit Absolute Encoder	Yes	With key	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/JN2)	Special order product	MGMF442L116, with brake, dfx	
MGMF442L117	4.4k	23bit Absolute Encoder	Yes	With key	Yes (NBR)	200	Connector (JAE/JL10)	Standard	MGMF442L117, with brake, dfx	
MGMF442L118	4.4k	23bit Absolute Encoder	Yes	With key	Yes (NBR)	200	Connector (JAE/JL10)	Standard	MGMF442L118, with brake, dfx	
MGMF442L119	4.4k	23bit Absolute Encoder	Yes	With key	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/JN2)	Standard	MGMF442L119, with brake, dfx	
MGMF442L120	4.4k	23bit Absolute Encoder	Yes	With key	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/JL10)	Standard	MGMF442L120, with brake, dfx	
MGMF442L121	4.4k	23bit Absolute Encoder	Yes	With key	Yes (NBR)	200	Connector (JAE/JN2)	Special order product	MGMF442L121, with brake, dfx	
MGMF442L122	4.4k	23bit Absolute Encoder	Yes	With key	Yes (NBR)	200	Connector (JAE/JL10)	Standard	MGMF442L122, with brake, dfx	
MGMF442L123	4.4k	23bit Absolute Encoder	Yes	With key	Yes (NBR)	200	Connector (JAE/JL10)	Standard	MGMF442L123, with brake, dfx	
MGMF442L124	4.4k	23bit Absolute Encoder	Yes	With key	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/JN2)	Special order product	MGMF442L124, with brake, dfx	
MGMF442L125	4.4k	23bit Absolute Encoder	Yes	With key	Yes (NBR)	200	Connector (JAE/JL10)	Standard	MGMF442L125, with brake, dfx	
MGMF442L126	4.4k	23bit Absolute Encoder	Yes	With key	Yes (NBR)	200	Connector (JAE/JL10)	Standard	MGMF442L126, with brake, dfx	
MGMF442L127	4.4k	23bit Absolute Encoder	Yes	With key	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/JN2)	Special order product	MGMF442L127, with brake, dfx	
MGMF442L128	4.4k	23bit Absolute Encoder	Yes	With key	Yes (NBR)	200	Connector (JAE/JL10)	Standard	MGMF442L128, with brake, dfx	
MGMF442L129	4.4k	23bit Absolute Encoder	Yes	With key	Yes (NBR)	200	Connector (JAE/JL10)	Standard	MGMF442L129, with brake, dfx	
MGMF442L130	4.4k	23bit Absolute Encoder	Yes	With key	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/JN2)	Special order product	MGMF442L130, with brake, dfx	
MGMF442L131	4.4k	23bit Absolute Encoder	Yes	With key	Yes (NBR)	200	Connector (JAE/JL10)	Standard	MGMF442L131, with brake, dfx	
MGMF442L132	4.4k	23bit Absolute Encoder	Yes	With key	Yes (NBR)	200	Connector (JAE/JL10)	Standard	MGMF442L132, with brake, dfx	
MGMF442L133	4.4k	23bit Absolute Encoder	Yes	With key	Yes (NBR)	200	Connector (JAE/JL10)	Standard	MGMF442L133, with brake, dfx	
MGMF442L134	4.4k	23bit Absolute Encoder	Yes	With key	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/JN2)	Special order product	MGMF442L134, with brake, dfx	
MGMF442L135	4.4k	23bit Absolute Encoder	Yes	With key	Yes (NBR)	200	Connector (JAE/JL10)	Standard	MGMF442L135, with brake, dfx	
MGMF442L136	4.4k	23bit Absolute Encoder	Yes	With key	Yes (NBR)	200	Connector (JAE/JL10)	Standard	MGMF442L136, with brake, dfx	
MGMF442L137	4.4k	23bit Absolute Encoder	Yes	With key	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/JN2)	Special order product	MGMF442L137, with brake, dfx	
MGMF442L138	4.4k	23bit Absolute Encoder	Yes	With key	Yes (NBR)	200	Connector (JAE/JL10)	Standard	MGMF442L138, with brake, dfx	
MGMF442L139	4.4k	23bit Absolute Encoder	Yes	With key	Yes (NBR)	200	Connector (JAE/JL10)	Standard	MGMF442L139, with brake, dfx	
MGMF442L140	4.4k	23bit Absolute Encoder	Yes	With key	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/JN2)	Special order product	MGMF442L140, with brake, dfx	
MGMF442L141	4.4k	23bit Absolute Encoder	Yes	With key	Yes (NBR)	200	Connector (JAE/JL10)	Standard	MGMF442L141, with brake, dfx	
MGMF442L142	4.4k	23bit Absolute Encoder	Yes	With key	Yes (NBR)	200	Connector (JAE/JL10)	Standard	MGMF442L142, with brake, dfx	
MGMF442L143	4.4k	23bit Absolute Encoder	Yes	With key	Yes (NBR)	200	Connector (JAE/JL10)	Standard	MGMF442L143, with brake, dfx	
MGMF442L144	4.4k	23bit Absolute Encoder	Yes	With key	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/JN2)	Special order product	MGMF442L144, with brake, dfx	
MGMF442L145	4.4k	23bit Absolute Encoder	Yes	With key	Yes (NBR)	200	Connector (JAE/JL10)	Standard	MGMF442L145, with brake, dfx	
MGMF442L146	4.4k	23bit Absolute Encoder	Yes	With key	Yes (NBR)	200	Connector (JAE/JL10)	Standard	MGMF442L146, with brake, dfx	
MGMF442L147	4.4k	23bit Absolute Encoder	Yes	With key	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/JN2)	Special order product	MGMF442L147, with brake, dfx	
MGMF442L148	4.4k	23bit Absolute Encoder	Yes	With key	Yes (NBR)	200	Connector (JAE/JL10)	Standard	MGMF442L148, with brake, dfx	
MGMF442L149	4.4k	23bit Absolute Encoder	Yes	With key	Yes (NBR)	200	Connector (JAE/JL10)	Standard	MGMF442L149, with brake, dfx	
MGMF442L150	4.4k	23bit Absolute Encoder	Yes	With key	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/JN2)	Special order product	MGMF442L150, with brake, dfx	
MGMF442L151	4.4k	23bit Absolute Encoder	Yes	With key	Yes (NBR)	200	Connector (JAE/JL10)	Standard	MGMF442L151, with brake, dfx	
MGMF442L152	4.4k	23bit Absolute Encoder	Yes	With key	Yes (NBR)	200	Connector (JAE/JL10)	Standard	MGMF442L152, with brake, dfx	
MGMF442L153	4.4k	23bit Absolute Encoder	Yes	With key	Yes (NBR)	200	Connector (JAE/JL10)	Standard	MGMF442L153, with brake, dfx	
MGMF442L154	4.4k	23bit Absolute Encoder	Yes	With key	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/JN2)	Special order product	MGMF442L154, with brake, dfx	
MGMF442L155	4.4k	23bit Absolute Encoder	Yes	With key	Yes (NBR)	200	Connector (JAE/JL10)	Standard	MGMF442L155, with brake, dfx	
MGMF442L156	4.4k	23bit Absolute Encoder	Yes	With key	Yes (NBR)	200	Connector (JAE/JL10)	Standard	MGMF442L156, with brake, dfx	
MGMF442L157	4.4k	23bit Absolute Encoder	Yes	With key	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/JN2)	Special order product	MGMF442L157, with brake, dfx	
MGMF442L158	4.4k	23bit Absolute Encoder	Yes	With key	Yes (NBR)	200	Connector (JAE/JL10)	Standard	MGMF442L158, with brake, dfx	
MGMF442L159	4.4k	23bit Absolute Encoder	Yes	With key	Yes (NBR)	200	Connector (JAE/JL10)	Standard	MGMF442L159, with brake, dfx	
MGMF442L160	4.4k	23bit Absolute Encoder	Yes	With key	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/JN2)	Special order product	MGMF442L160, with brake, dfx	
MGMF442L161	4.4k	23bit Absolute Encoder	Yes	With key	Yes (NBR)	200	Connector (JAE/JL10)	Standard	MGMF442L161, with brake, dfx	
MGMF442L162	4.4k	23bit Absolute Encoder	Yes	With key	Yes (NBR)	200	Connector (JAE/JL10)	Standard	MGMF442L162, with brake, dfx	
MGMF442L163	4.4k	23bit Absolute Encoder	Yes	With key	Yes (NBR)	200	Connector (JAE/JL10)	Standard	MGMF442L163, with brake, dfx	
MGMF442L164	4.4k	23bit Absolute Encoder	Yes	With key	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/JN2)	Special order product	MGMF442L164, with brake, dfx	
MGMF442L165	4.4k	23bit Absolute Encoder	Yes	With key	Yes (NBR)	200	Connector (JAE/JL10)	Standard	MGMF442L165, with brake, dfx	
MGMF442L166	4.4k	23bit Absolute Encoder	Yes	With key	Yes (NBR)	200	Connector (JAE/JL10)	Standard	MGMF442L166, with brake, dfx	
MGMF442L167	4.4k	23bit Absolute Encoder	Yes	With key	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/JN2)	Special order product	MGMF442L167, with brake, dfx	
MGMF442L168	4.4k	23bit Absolute Encoder	Yes	With key	Yes (NBR)	200	Connector (JAE/JL10)	Standard	MGMF442L168, with brake, dfx	
MGMF442L169	4.4k	23bit Absolute Encoder	Yes	With key	Yes (NBR)	200	Connector (JAE/JL10)	Standard	MGMF442L169, with brake, dfx	
MGMF442L170	4.4k	23bit Absolute Encoder	Yes	With key	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/JN2)	Special order product	MGMF442L170, with brake, dfx	
MGMF442L171	4.4k	23bit Absolute Encoder	Yes	With key	Yes (NBR)	200	Connector (JAE/JL10)	Standard	MGMF442L171, with brake, dfx	
MGMF442L172	4.4k	23bit Absolute Encoder	Yes	With key	Yes (NBR)	200	Connector (JAE/JL10)	Standard	MGMF442L172, with brake, dfx	
MGMF442L173	4.4k	23bit Absolute Encoder	Yes	With key	Yes (NBR)	200	Connector (JAE/JL10)	Standard	MGMF442L173, with brake, dfx	
MGMF442L174	4.4k	23bit Absolute Encoder	Yes	With key	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/JN2)			

[Notice]

The content for this list are subjected to change without notice.
Another symbol is switched

No. of series	Order code	Rated output W	Encoder	Brake	End of shaft	Oil seal	Motor L/F	Power supply V	Magnet	Name of file
MHMF	MHMF041.L1D2*	0.4 k	23bit Absolute Encoder	Yes	Straight	Yes (NBR)	100	Lead wire	Special order product	MHMF041.L1[2] with brake, without oilseal.dxf
MHMF	MHMF041.L1D3	0.4 k	23bit Absolute Encoder	Yes	Straight	Yes (with protected lip by Fluoro rubber)	100	Connector	Standard	MHMF041.L1[3] with brake, with oilseal.lip.dxf
MHMF	MHMF041.L1D3*	0.4 k	23bit Absolute Encoder	Yes	Straight	Yes (with protected lip by Fluoro rubber)	100	Connector	Special order product	MHMF041.L1[3] with brake, with oilseal.lip.dxf
MHMF	MHMF041.L1D4	0.4 k	23bit Absolute Encoder	Yes	Straight	Yes (with protected lip by Fluoro rubber)	100	Lead wire	Standard	MHMF041.L1[4] with brake, with oilseal.lip.dxf
MHMF	MHMF041.L1D4*	0.4 k	23bit Absolute Encoder	Yes	Straight	Yes (with protected lip by Fluoro rubber)	100	Lead wire	Special order product	MHMF041.L1[4] with brake, with oilseal.lip.dxf
MHMF	MHMF041.L1S1	0.4 k	23bit Absolute Encoder	No	With key and tap	No	100	Connector	Standard	MHMF041.L1[1] without brake, without oilseal.dxf
MHMF	MHMF041.L1S1*	0.4 k	23bit Absolute Encoder	No	With key and tap	No	100	Connector	Special order product	MHMF041.L1[1] without brake, without oilseal.dxf
MHMF	MHMF041.L1S2	0.4 k	23bit Absolute Encoder	No	With key and tap	No	100	Lead wire	Standard	MHMF041.L1[2] without brake, without oilseal.dxf
MHMF	MHMF041.L1S2*	0.4 k	23bit Absolute Encoder	No	With key and tap	No	100	Lead wire	Special order product	MHMF041.L1[2] without brake, without oilseal.dxf
MHMF	MHMF041.L1T1	0.4 k	23bit Absolute Encoder	Yes	With key and tap	No	100	Connector	Standard	MHMF041.L1[1] without brake, without oilseal.dxf
MHMF	MHMF041.L1T2	0.4 k	23bit Absolute Encoder	Yes	With key and tap	No	100	Lead wire	Standard	MHMF041.L1[2] with brake, without oilseal.dxf
MHMF	MHMF041.L1T2*	0.4 k	23bit Absolute Encoder	Yes	With key and tap	No	100	Lead wire	Special order product	MHMF041.L1[2] with brake, without oilseal.dxf
MHMF	MHMF041.L1U1	0.4 k	23bit Absolute Encoder	No	With key and tap	Yes (NBR)	100	Connector	Standard	MHMF041.L1[1] without brake, without oilseal.dxf
MHMF	MHMF041.L1U1*	0.4 k	23bit Absolute Encoder	No	With key and tap	Yes (NBR)	100	Connector	Special order product	MHMF041.L1[1] without brake, without oilseal.dxf
MHMF	MHMF041.L1U2	0.4 k	23bit Absolute Encoder	No	With key and tap	Yes (NBR)	100	Lead wire	Standard	MHMF041.L1[2] without brake, with oilseal.dxf
MHMF	MHMF041.L1U2*	0.4 k	23bit Absolute Encoder	No	With key and tap	Yes (NBR)	100	Lead wire	Special order product	MHMF041.L1[2] without brake, with oilseal.dxf
MHMF	MHMF041.L1U3	0.4 k	23bit Absolute Encoder	No	With key and tap	Yes (with protected lip by Fluoro rubber)	100	Connector	Standard	MHMF041.L1[3] without brake, with oilseal.lip.dxf
MHMF	MHMF041.L1U3*	0.4 k	23bit Absolute Encoder	No	With key and tap	Yes (with protected lip by Fluoro rubber)	100	Connector	Special order product	MHMF041.L1[3] without brake, with oilseal.lip.dxf
MHMF	MHMF041.L1U4	0.4 k	23bit Absolute Encoder	No	With key and tap	Yes (with protected lip by Fluoro rubber)	100	Lead wire	Standard	MHMF041.L1[4] without brake, with oilseal.lip.dxf
MHMF	MHMF041.L1U4*	0.4 k	23bit Absolute Encoder	No	With key and tap	Yes (with protected lip by Fluoro rubber)	100	Lead wire	Special order product	MHMF041.L1[4] without brake, with oilseal.lip.dxf
MHMF	MHMF041.L1V1	0.4 k	23bit Absolute Encoder	Yes	With key and tap	Yes (NBR)	100	Connector	Standard	MHMF041.L1[1] with brake, with oilseal.dxf
MHMF	MHMF041.L1V1*	0.4 k	23bit Absolute Encoder	Yes	With key and tap	Yes (NBR)	100	Connector	Special order product	MHMF041.L1[1] with brake, with oilseal.dxf
MHMF	MHMF041.L1V2	0.4 k	23bit Absolute Encoder	Yes	With key and tap	Yes (NBR)	100	Lead wire	Standard	MHMF041.L1[2] with brake, with oilseal.dxf
MHMF	MHMF041.L1V2*	0.4 k	23bit Absolute Encoder	Yes	With key and tap	Yes (NBR)	100	Lead wire	Special order product	MHMF041.L1[2] with brake, with oilseal.dxf
MHMF	MHMF041.L1V3	0.4 k	23bit Absolute Encoder	Yes	With key and tap	Yes (with protected lip by Fluoro rubber)	100	Connector	Standard	MHMF041.L1[3] with brake, with oilseal.lip.dxf
MHMF	MHMF041.L1V3*	0.4 k	23bit Absolute Encoder	Yes	With key and tap	Yes (with protected lip by Fluoro rubber)	100	Connector	Special order product	MHMF041.L1[3] with brake, with oilseal.lip.dxf
MHMF	MHMF041.L1V4	0.4 k	23bit Absolute Encoder	Yes	With key and tap	Yes (with protected lip by Fluoro rubber)	100	Lead wire	Standard	MHMF041.L1[4] with brake, with oilseal.lip.dxf
MHMF	MHMF041.L1V4*	0.4 k	23bit Absolute Encoder	Yes	With key and tap	Yes (with protected lip by Fluoro rubber)	100	Lead wire	Special order product	MHMF041.L1[4] with brake, with oilseal.lip.dxf
MHMF	MHMF042.L1A1	0.4 k	23bit Absolute Encoder	No	Straight	No	200	Connector	Standard	MHMF041.L1[1] without brake, without oilseal.dxf
MHMF	MHMF042.L1A1*	0.4 k	23bit Absolute Encoder	No	Straight	No	200	Connector	Special order product	MHMF041.L1[1] without brake, without oilseal.dxf
MHMF	MHMF042.L1A2	0.4 k	23bit Absolute Encoder	No	Straight	No	200	Lead wire	Standard	MHMF041.L1[2] without brake, without oilseal.dxf
MHMF	MHMF042.L1A2*	0.4 k	23bit Absolute Encoder	No	Straight	No	200	Lead wire	Special order product	MHMF041.L1[2] without brake, without oilseal.dxf
MHMF	MHMF042.L1B1	0.4 k	23bit Absolute Encoder	Yes	Straight	No	200	Connector	Standard	MHMF041.L1[1] with brake, without oilseal.dxf
MHMF	MHMF042.L1B1*	0.4 k	23bit Absolute Encoder	Yes	Straight	No	200	Connector	Special order product	MHMF041.L1[1] with brake, without oilseal.dxf
MHMF	MHMF042.L1C1	0.4 k	23bit Absolute Encoder	No	Straight	Yes (NBR)	200	Connector	Standard	MHMF041.L1[1] without brake, with oilseal.dxf
MHMF	MHMF042.L1C1*	0.4 k	23bit Absolute Encoder	No	Straight	Yes (NBR)	200	Connector	Special order product	MHMF041.L1[1] without brake, with oilseal.dxf
MHMF	MHMF042.L1C2	0.4 k	23bit Absolute Encoder	No	Straight	Yes (NBR)	200	Lead wire	Standard	MHMF041.L1[2] without brake, with oilseal.dxf
MHMF	MHMF042.L1C2*	0.4 k	23bit Absolute Encoder	No	Straight	Yes (NBR)	200	Lead wire	Special order product	MHMF041.L1[2] without brake, with oilseal.dxf
MHMF	MHMF042.L1C3	0.4 k	23bit Absolute Encoder	No	Straight	Yes (with protected lip by Fluoro rubber)	200	Connector	Standard	MHMF041.L1[3] without brake, with oilseal.lip.dxf
MHMF	MHMF042.L1C3*	0.4 k	23bit Absolute Encoder	No	Straight	Yes (with protected lip by Fluoro rubber)	200	Connector	Special order product	MHMF041.L1[3] without brake, with oilseal.lip.dxf
MHMF	MHMF042.L1C4	0.4 k	23bit Absolute Encoder	No	Straight	Yes (with protected lip by Fluoro rubber)	200	Lead wire	Standard	MHMF041.L1[4] without brake, with oilseal.lip.dxf
MHMF	MHMF042.L1C4*	0.4 k	23bit Absolute Encoder	No	Straight	Yes (with protected lip by Fluoro rubber)	200	Lead wire	Special order product	MHMF041.L1[4] without brake, with oilseal.lip.dxf
MHMF	MHMF042.L1D1	0.4 k	23bit Absolute Encoder	No	Straight	No	200	Connector	Standard	MHMF041.L1[1] without brake, without oilseal.dxf
MHMF	MHMF042.L1D1*	0.4 k	23bit Absolute Encoder	Yes	Straight	Yes (NBR)	200	Connector	Special order product	MHMF041.L1[1] with brake, with oilseal.dxf
MHMF	MHMF042.L1D2	0.4 k	23bit Absolute Encoder	Yes	Straight	Yes (NBR)	200	Lead wire	Standard	MHMF041.L1[2] with brake, with oilseal.dxf
MHMF	MHMF042.L1D2*	0.4 k	23bit Absolute Encoder	Yes	Straight	Yes (NBR)	200	Lead wire	Special order product	MHMF041.L1[2] with brake, with oilseal.dxf
MHMF	MHMF042.L1D3	0.4 k	23bit Absolute Encoder	Yes	Straight	Yes (with protected lip by Fluoro rubber)	200	Connector	Standard	MHMF041.L1[3] with brake, with oilseal.lip.dxf
MHMF	MHMF042.L1D3*	0.4 k	23bit Absolute Encoder	Yes	Straight	Yes (with protected lip by Fluoro rubber)	200	Connector	Special order product	MHMF041.L1[3] with brake, with oilseal.lip.dxf
MHMF	MHMF042.L1D4	0.4 k	23bit Absolute Encoder	Yes	Straight	Yes (with protected lip by Fluoro rubber)	200	Lead wire	Standard	MHMF041.L1[4] with brake, with oilseal.lip.dxf
MHMF	MHMF042.L1D4*	0.4 k	23bit Absolute Encoder	Yes	Straight	Yes (with protected lip by Fluoro rubber)	200	Lead wire	Special order product	MHMF041.L1[4] with brake, with oilseal.lip.dxf
MHMF	MHMF042.L1S1	0.4 k	23bit Absolute Encoder	No	With key and tap	No	200	Connector	Standard	MHMF041.L1[1] without brake, without oilseal.dxf
MHMF	MHMF042.L1S1*	0.4 k	23bit Absolute Encoder	No	With key and tap	No	200	Connector	Special order product	MHMF041.L1[1] without brake, without oilseal.dxf
MHMF	MHMF042.L1T1	0.4 k	23bit Absolute Encoder	Yes	With key and tap	No	200	Lead wire	Standard	MHMF041.L1[2] without brake, without oilseal.dxf
MHMF	MHMF042.L1T1*	0.4 k	23bit Absolute Encoder	Yes	With key and tap	No	200	Lead wire	Special order product	MHMF041.L1[2] without brake, without oilseal.dxf
MHMF	MHMF042.L1T2	0.4 k	23bit Absolute Encoder	Yes	With key and tap	No	200	Lead wire	Standard	MHMF041.L1[2] with brake, without oilseal.dxf
MHMF	MHMF042.L1T2*	0.4 k	23bit Absolute Encoder	Yes	With key and tap	No	200	Lead wire	Special order product	MHMF041.L1[2] with brake, without oilseal.dxf
MHMF	MHMF042.L1U1	0.4 k	23bit Absolute Encoder	No	With key and tap	Yes (NBR)	200	Connector	Standard	MHMF041.L1[1] without brake, with oilseal.dxf
MHMF	MHMF042.L1U1*	0.4 k	23bit Absolute Encoder	No	With key and tap	Yes (NBR)	200	Connector	Special order product	MHMF041.L1[1] without brake, with oilseal.dxf
MHMF	MHMF042.L1U2	0.4 k	23bit Absolute Encoder	No	With key and tap	Yes (NBR)	200	Lead wire	Standard	MHMF041.L1[2] without brake, with oilseal.dxf
MHMF	MHMF042.L1U2*	0.4 k	23bit Absolute Encoder	No	With key and tap	Yes (NBR)	200	Lead wire	Special order product	MHMF041.L1[2] without brake, with oilseal.dxf
MHMF	MHMF042.L1U3	0.4 k	23bit Absolute Encoder	No	With key and tap	Yes (with protected lip by Fluoro rubber)	200	Connector	Standard	MHMF041.L1[3] without brake, with oilseal.lip.dxf
MHMF	MHMF042.L1U3*	0.4 k	23bit Absolute Encoder	No	With key and tap	Yes (with protected lip by Fluoro rubber)	200	Connector	Special order product	MHMF041.L1[3] without brake, with oilseal.lip.dxf
MHMF	MHMF042.L1U4	0.4 k	23bit Absolute Encoder	No	With key and tap	Yes (with protected lip by Fluoro rubber)	200	Lead wire	Standard	MHMF041.L1[4] without brake, with oilseal.lip.dxf
MHMF	MHMF042.L1U4*	0.4 k	23bit Absolute Encoder	No	With key and tap	Yes (with protected lip by Fluoro rubber)	200	Lead wire	Special order product	MHMF041.L1[4] without brake, with oilseal.lip.dxf
MHMF	MHMF042.L1V1	0.4 k	23bit Absolute Encoder	Yes	With key and tap	Yes (NBR)	200	Connector	Standard	MHMF041.L1[1] with brake, with oilseal.dxf
MHMF	MHMF042.L1V1*	0.4 k	23bit Absolute Encoder	Yes	With key and tap	Yes (NBR)	200	Connector	Special order product	MHMF041.L1[1] with brake, with oilseal.dxf
MHMF	MHMF042.L1V2	0.4 k	23bit Absolute Encoder	Yes	With key and tap	Yes (NBR)	200	Lead wire	Standard	MHMF041.L1[2] with brake, with oilseal.dxf
MHMF	MHMF042.L1V2*	0.4 k	23bit Absolute Encoder	Yes	With key and tap	Yes (NBR)	200	Lead wire	Special order product	MHMF041.L1[2] with brake, with oilseal.dxf
MHMF	MHMF042.L1V3	0.4 k	23bit Absolute Encoder	Yes	With key and tap	Yes (with protected lip by Fluoro rubber)	200	Connector	Standard	MHMF041.L1[3] with brake, with oilseal.lip.dxf
MHMF	MHMF042.L1V3*	0.4 k	23bit Absolute Encoder	Yes	With key and tap	Yes (with protected lip by Fluoro rubber)	200	Connector	Special order product	MHMF041.L1[3] with brake, with oilseal.lip.dxf
MHMF	MHMF042.L1V4	0.4 k	23bit Absolute Encoder	Yes	With key and tap	Yes (with protected lip by Fluoro rubber)	200	Lead wire	Standard	MHMF041.L1[4] with brake, with oilseal.lip.dxf
MHMF	MHMF042.L1V4*	0.4 k	23bit Absolute Encoder	Yes	With key and tap	Yes (with protected lip by Fluoro rubber)	200	Lead wire	Special order product	MHMF041.L1[4] with brake, with oilseal.lip.dxf
MHMF	MHMF082.L1A1	0.75 k	23bit Absolute Encoder	No	Straight	No	200	Connector	Standard	MHMF082.L1[1] without brake, without oilseal.dxf
MHMF	MHMF082.L1A1*	0.75 k	23bit Absolute Encoder	No	Straight	No	200	Connector	Special order product	MHMF082.L1[1] without brake, without oilseal.dxf
MHMF	MHMF082.L1A2	0.75 k	23bit Absolute Encoder	No	Straight	No	200	Lead wire	Standard	MHMF082.L1[2] without brake, without oilseal.dxf
MHMF	MHMF082.L1A2*	0.75 k	23bit Absolute Encoder	No	Straight	No	200	Lead wire	Special order product	MHMF082.L1[2] without brake, without oilseal.dxf
MHMF	MHMF082.L1B1	0.75 k	23bit Absolute Encoder	Yes	Straight	No	200	Connector	Standard	MHMF082.L1[1] with brake, without oilseal.dxf
MHMF	MHMF082.L1B1*	0.75 k	23bit Absolute Encoder	Yes	Straight	No	200	Connector	Special order product	MHMF082.L1[1] with brake, without oilseal.dxf
MHMF	MHMF082.L1B2	0.75 k	23bit Absolute Encoder	Yes	Straight	No	200	Lead wire	Standard	MHMF082.L1[2] with brake, without oilseal.dxf
MHMF	MHMF082.L1B2*	0.75 k	23bit Absolute Encoder	Yes	Straight	No	200	Lead wire	Special order product	MHMF082.L1[2] with brake, without oilseal.dxf
MHMF	MHMF082.L1C1	0.75 k	23bit Absolute Encoder	No	Straight	Yes (NBR)	200	Connector	Standard	MHMF082.L1[1] without brake, with oilseal.dxf
MHMF	MHMF082.L1C1*	0.75 k	23bit Absolute Encoder	No	Straight	Yes (NBR)	200	Connector	Special order product	MHMF082.L1[1] without brake, with oilseal.dxf
MHMF	MHMF082.L1C2	0.75 k	23bit Absolute Encoder	No	Straight	Yes (NBR)	200	Lead wire	Standard	MHMF082.L1[2] without brake, with oilseal.dxf
MHMF	MHMF082.L1C2*	0.75 k	23bit Absolute Encoder	No	Straight	Yes (NBR)	200	Lead wire	Special order product	MHMF082.L1[2] without brake, with oilseal.dxf
MHMF	MHMF082.L1C3	0.75 k	23bit Absolute Encoder	No	Straight	Yes (with protected lip by Fluoro rubber)	200	Connector	Standard	MHMF082.L1[3] without brake, with oilseal.lip.dxf
MHMF	MHMF082.L1C3*	0.75 k	23bit Absolute Encoder	No	Straight	Yes (with protected lip by Fluoro rubber)	200	Connector	Special order product	MHMF082.L1[3] without brake, with oilseal.lip.dxf
MHMF	MHMF082.L1C4	0.75 k	23bit Absolute Encoder	No	Straight	Yes (with protected lip by Fluoro rubber)	200	Lead wire	Standard	MHMF082.L1[4] without brake, with oilseal.lip.dxf
MHMF	MHMF082.L1C4*	0.75 k	23bit Absolute Encoder	No	Straight	Yes (with protected lip by Fluoro rubber)	200	Lead wire	Special order product	MHMF082.L1[4] without brake, with oilseal.lip.dxf
MHMF	MHMF082.L1D1	0.75 k	23bit Absolute Encoder	Yes	Straight	Yes (NBR)	200	Connector	Standard	MHMF082.L1[1] with brake, with oilseal.dxf
MHMF	MHMF082.L1D1*	0.75 k	23bit Absolute Encoder	Yes	Straight	Yes (NBR)	200	Connector	Special order product	MHMF082.L1[1] with brake, with oilseal.dxf
MHMF	MHMF082.L1D2	0.75 k	23bit Absolute Encoder	Yes	Straight	Yes (NBR)	200	Lead wire	Standard	MHMF082.L1[2] with brake, with oilseal.dxf
MHMF	MHMF082.L1D2*	0.75 k	23bit Absolute Encoder	Yes	Straight	Yes (NBR)	200	Lead wire	Special order product	MHMF082.L1[2] with brake, with oilseal.dxf
MHMF	MHMF082.L1D3	0.75 k	23bit Absolute Encoder	Yes	Straight	Yes (with protected lip by Fluoro rubber)	200	Connector	Standard	MHMF082.L1[3] with brake, with oilseal.lip.dxf
MHMF	MHMF082.L1D3*	0.75 k	23bit Absolute Encoder	Yes	Straight	Yes (with protected lip by Fluoro rubber)	200	Connector	Special order product	MHMF082.L1[3] with brake, with oilseal.lip.dxf
MHMF	MHMF082.L1D4	0.75 k	23bit Absolute Encoder	Yes	Straight	Yes (with protected lip by Fluoro rubber)	200	Lead wire	Standard	MHMF082.L1[4] with brake, with oilseal.lip.dxf
MHMF	MHMF082.L1D4*	0.75 k	23bit Absolute Encoder	Yes	Straight	Yes (with protected lip by Fluoro rubber)	200	Lead wire	Special order product	MHMF082.L1[4] with brake, with oilseal.lip.dxf
MHMF	MHMF082.L1S1	0.75 k	23bit Absolute Encoder	No	With key and tap	No	200	Connector	Standard	MHMF082.L1[1] without brake, without oilseal.dxf
MHMF	MHMF082.L1S1*	0.75 k	23bit Absolute Encoder	No	With key and tap	No	200	Connector	Special order product	MHMF082.L1[1] without brake, without oilseal.dxf
MHMF	MHMF082.L1S2	0.75 k	23bit Absolute Encoder	No	With key and tap	No	200	Lead wire	Standard	MHMF082.L1[2] without brake, without oilseal.dxf
MHMF	MHMF082.L1S2*	0.75 k	23bit Absolute Encoder	No	With key and tap	No	200	Lead wire	Special order product	MHMF082.L1[2] without brake, without oilseal.dxf
MHMF	MHMF082.L1T1	0.75 k	23bit Absolute Encoder	Yes	With key and tap	No	200	Connector	Standard	MHMF082.L1[1] with brake, without oilseal.dxf
MHMF	MHMF082.L1T1*	0.75 k	23bit Absolute Encoder	Yes	With key and tap	No	200	Connector	Special order product	MHMF082.L1[1] with brake, without oilseal.dxf
MHMF	MHMF082.L1T2	0.75 k	23bit Absolute Encoder	Yes	With key and tap	No	200	Lead wire	Standard	MHMF082.L1[2] with brake, without oilseal.dxf
MHMF	MHMF082.L1T2*	0.75 k	23bit Absolute Encoder	Yes	With key and tap	No	200	Lead wire	Special order product	MHMF082.L1[2] with brake, without oilseal.dxf
MHMF	MHMF082.L1U1	0.75 k	23bit Absolute Encoder	No	With key and tap	Yes (NBR)	200	Connector	Standard	MHMF082.L1[1] without brake, with oilseal.dxf
MHMF	MHMF082.L1U1*	0.75 k	23bit Absolute Encoder	No	With key and tap	Yes (NBR)	200	Connector	Special order product	MHMF082.L1[1] without brake, with oilseal.dxf
MHMF	MHMF082.L1U2	0.75 k	23bit Absolute Encoder	No	With key and tap	Yes (NBR)	200	Lead wire	Standard	MHMF082.L1[2] without brake, with oilseal.dxf
MHMF	MHMF082.L1U2*	0.75 k	23bit Absolute Encoder	No	With key and tap	Yes (NBR)	200	Lead wire	Special order product	MHMF082.L1[2] without brake, with oilseal.dxf
MHMF	MHMF082.L1U3	0.75 k	23bit Absolute Encoder	No	With key					

Name of series	Order no.	Rated output W	Encoder	Brake	End of shaft	Oil seal	Motor I/F	Power supply V	Magnet	Name of file
MHMF	MHMF0921.1T2	1.0 k	23bit Absolute Encoder	Yes	With key and tap	No	200	Lead wire	Standard	MHMF0921\1\2 with brake without oilseal.dxf
MHMF	MHMF0921.1T2*	1.0 k	23bit Absolute Encoder	Yes	With key and tap	No	200	Lead wire	Special order product	MHMF0921\1\2 with brake without oilseal.dxf
MHMF	MHMF0921.1U1	1.0 k	23bit Absolute Encoder	No	With key and tap	Yes (NBR)	200	Connector	Standard	MHMF0921\1\1 without brake with oilseal.dxf
MHMF	MHMF0921.1U1*	1.0 k	23bit Absolute Encoder	No	With key and tap	Yes (NBR)	200	Connector	Special order product	MHMF0921\1\1 without brake with oilseal.dxf
MHMF	MHMF0921.1U2	1.0 k	23bit Absolute Encoder	No	With key and tap	Yes (NBR)	200	Lead wire	Standard	MHMF0921\1\2 without brake with oilseal.dxf
MHMF	MHMF0921.1U2*	1.0 k	23bit Absolute Encoder	No	With key and tap	Yes (NBR)	200	Lead wire	Special order product	MHMF0921\1\2 without brake with oilseal.dxf
MHMF	MHMF0921.1U3	1.0 k	23bit Absolute Encoder	No	With key and tap	Yes (with protected lip by Fluoro rubber)	200	Connector	Standard	MHMF0921\1\3 without brake with oilseal lip.dxf
MHMF	MHMF0921.1U3*	1.0 k	23bit Absolute Encoder	No	With key and tap	Yes (with protected lip by Fluoro rubber)	200	Connector	Special order product	MHMF0921\1\3 without brake with oilseal lip.dxf
MHMF	MHMF0921.1U4	1.0 k	23bit Absolute Encoder	No	With key and tap	Yes (with protected lip by Fluoro rubber)	200	Lead wire	Standard	MHMF0921\1\4 without brake with oilseal lip.dxf
MHMF	MHMF0921.1U4*	1.0 k	23bit Absolute Encoder	No	With key and tap	Yes (with protected lip by Fluoro rubber)	200	Lead wire	Special order product	MHMF0921\1\4 without brake with oilseal lip.dxf
MHMF	MHMF0921.1V1	1.0 k	23bit Absolute Encoder	Yes	With key and tap	Yes (NBR)	200	Connector	Standard	MHMF0921\1\1 with brake with oilseal.dxf
MHMF	MHMF0921.1V1*	1.0 k	23bit Absolute Encoder	Yes	With key and tap	Yes (NBR)	200	Connector	Special order product	MHMF0921\1\1 with brake with oilseal.dxf
MHMF	MHMF0921.1V2	1.0 k	23bit Absolute Encoder	Yes	With key and tap	Yes (NBR)	200	Lead wire	Standard	MHMF0921\1\2 with brake with oilseal.dxf
MHMF	MHMF0921.1V2*	1.0 k	23bit Absolute Encoder	Yes	With key and tap	Yes (NBR)	200	Lead wire	Special order product	MHMF0921\1\2 with brake with oilseal.dxf
MHMF	MHMF0921.1V3	1.0 k	23bit Absolute Encoder	Yes	With key and tap	Yes (with protected lip by Fluoro rubber)	200	Connector	Standard	MHMF0921\1\3 with brake with oilseal lip.dxf
MHMF	MHMF0921.1V3*	1.0 k	23bit Absolute Encoder	Yes	With key and tap	Yes (with protected lip by Fluoro rubber)	200	Connector	Special order product	MHMF0921\1\3 with brake with oilseal lip.dxf
MHMF	MHMF0921.1V4	1.0 k	23bit Absolute Encoder	Yes	With key and tap	Yes (with protected lip by Fluoro rubber)	200	Lead wire	Standard	MHMF0921\1\4 with brake with oilseal lip.dxf
MHMF	MHMF0921.1V4*	1.0 k	23bit Absolute Encoder	Yes	With key and tap	Yes (with protected lip by Fluoro rubber)	200	Lead wire	Special order product	MHMF0921\1\4 with brake with oilseal lip.dxf
MHMF	MHMF1021.1C5	1.0 k	23bit Absolute Encoder	No	Straight	Yes (NBR)	200	Connector (JAE/JN2)	Standard	MHMF1021\1\5 without brake.dxf
MHMF	MHMF1021.1C6	1.0 k	23bit Absolute Encoder	No	Straight	Yes (NBR)	200	Connector (JAE/JL10)	Standard	MHMF1021\1\6 without brake.dxf
MHMF	MHMF1021.1C7	1.0 k	23bit Absolute Encoder	No	Straight	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/JN2)	Standard	MHMF1021\1\7 without brake.dxf
MHMF	MHMF1021.1C8	1.0 k	23bit Absolute Encoder	No	Straight	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/JL10)	Standard	MHMF1021\1\8 without brake.dxf
MHMF	MHMF1021.1C9	1.0 k	23bit Absolute Encoder	No	Straight	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/JL10)	Special order product	MHMF1021\1\8 without brake.dxf
MHMF	MHMF1021.1D5	1.0 k	23bit Absolute Encoder	Yes	Straight	Yes (NBR)	200	Connector (JAE/JN2)	Standard	MHMF1021\1\5 with brake.dxf
MHMF	MHMF1021.1D6	1.0 k	23bit Absolute Encoder	Yes	Straight	Yes (NBR)	200	Connector (JAE/JL10)	Standard	MHMF1021\1\6 with brake.dxf
MHMF	MHMF1021.1D6*	1.0 k	23bit Absolute Encoder	Yes	Straight	Yes (NBR)	200	Connector (JAE/JL10)	Special order product	MHMF1021\1\6 with brake.dxf
MHMF	MHMF1021.1D7	1.0 k	23bit Absolute Encoder	Yes	Straight	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/JN2)	Standard	MHMF1021\1\7 with brake.dxf
MHMF	MHMF1021.1D8	1.0 k	23bit Absolute Encoder	Yes	Straight	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/JL10)	Standard	MHMF1021\1\8 with brake.dxf
MHMF	MHMF1021.1G5	1.0 k	23bit Absolute Encoder	No	With key	Yes (NBR)	200	Connector (JAE/JN2)	Standard	MHMF1021\1\5 without brake.dxf
MHMF	MHMF1021.1G6	1.0 k	23bit Absolute Encoder	No	With key	Yes (NBR)	200	Connector (JAE/JL10)	Standard	MHMF1021\1\6 without brake.dxf
MHMF	MHMF1021.1G6*	1.0 k	23bit Absolute Encoder	No	With key	Yes (NBR)	200	Connector (JAE/JL10)	Special order product	MHMF1021\1\6 without brake.dxf
MHMF	MHMF1021.1G7	1.0 k	23bit Absolute Encoder	No	With key	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/JN2)	Standard	MHMF1021\1\7 without brake.dxf
MHMF	MHMF1021.1G8	1.0 k	23bit Absolute Encoder	No	With key	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/JL10)	Standard	MHMF1021\1\8 without brake.dxf
MHMF	MHMF1021.1H5	1.0 k	23bit Absolute Encoder	Yes	With key	Yes (NBR)	200	Connector (JAE/JN2)	Special order product	MHMF1021\1\5 with brake.dxf
MHMF	MHMF1021.1H6	1.0 k	23bit Absolute Encoder	Yes	With key	Yes (NBR)	200	Connector (JAE/JL10)	Standard	MHMF1021\

Name of series	Order number	Rated output W	Encoder	Brake	End of shaft	Oil seal	Motor I/F	Power supply V	Magnet	Name of dxf file
MHMF	MHMF502L1H5	5.0 k	23bit Absolute Encoder	Yes	With key	Yes (NBR)	200	Connector (JAE/JN2)	Standard	MHMF502L1[5] without brake.dxf
MHMF	MHMF502L1H6	5.0 k	23bit Absolute Encoder	Yes	With key	Yes (NBR)	200	Connector (JAE/JL10)	Standard	MHMF502L1[6] without brake.dxf
MHMF	MHMF502L1H8*	5.0 k	23bit Absolute Encoder	Yes	With key	Yes (NBR)	200	Connector (JAE/JL10)	Special order product	MHMF502L1[8] with brake.dxf
MHMF	MHMF502L1H8	5.0 k	23bit Absolute Encoder	Yes	With key	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/JN2)	Standard	MHMF502L1[7] without brake.dxf
MHMF	MHMF502L1H8	5.0 k	23bit Absolute Encoder	Yes	With key	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/JL10)	Standard	MHMF502L1[8] without brake, without oilseal.dxf
MHMF	MHMF502L1H8*	5.0 k	23bit Absolute Encoder	Yes	With key	Yes (with protected lip by Fluoro rubber)	200	Connector (JAE/JL10)	Special order product	MHMF502L1[8] with brake.dxf
MHMF	MHMF5AZL1A1	0.05 k	23bit Absolute Encoder	No	Straight	No	100/200	Connector	Standard	MHMF5AZL1[1] without brake, without oilseal.dxf
MHMF	MHMF5AZL1A1*	0.05 k	23bit Absolute Encoder	No	Straight	No	100/200	Connector	Special order product	MHMF5AZL1[1] without brake, without oilseal.dxf
MHMF	MHMF5AZL1A2	0.05 k	23bit Absolute Encoder	No	Straight	No	100/200	Lead wire	Standard	MHMF5AZL1[2] without brake, without oilseal.dxf
MHMF	MHMF5AZL1A2*	0.05 k	23bit Absolute Encoder	No	Straight	No	100/200	Lead wire	Special order product	MHMF5AZL1[2] without brake, without oilseal.dxf
MHMF	MHMF5AZL1B1	0.05 k	23bit Absolute Encoder	Yes	Straight	No	100/200	Connector	Standard	MHMF5AZL1[1] with brake, without oilseal.dxf
MHMF	MHMF5AZL1B1*	0.05 k	23bit Absolute Encoder	Yes	Straight	No	100/200	Connector	Special order product	MHMF5AZL1[1] with brake, without oilseal.dxf
MHMF	MHMF5AZL1B2	0.05 k	23bit Absolute Encoder	Yes	Straight	No	100/200	Lead wire	Standard	MHMF5AZL1[2] with brake, without oilseal.dxf
MHMF	MHMF5AZL1B2*	0.05 k	23bit Absolute Encoder	Yes	Straight	No	100/200	Lead wire	Special order product	MHMF5AZL1[2] with brake, without oilseal.dxf
MHMF	MHMF5AZL1C1	0.05 k	23bit Absolute Encoder	No	Straight	Yes (NBR)	100/200	Connector	Standard	MHMF5AZL1[1] without brake, with oilseal.dxf
MHMF	MHMF5AZL1C1*	0.05 k	23bit Absolute Encoder	No	Straight	Yes (NBR)	100/200	Connector	Special order product	MHMF5AZL1[1] without brake, with oilseal.dxf
MHMF	MHMF5AZL1C2	0.05 k	23bit Absolute Encoder	No	Straight	Yes (NBR)	100/200	Lead wire	Standard	MHMF5AZL1[2] without brake, with oilseal.dxf
MHMF	MHMF5AZL1C2*	0.05 k	23bit Absolute Encoder	No	Straight	Yes (NBR)	100/200	Lead wire	Special order product	MHMF5AZL1[2] without brake, with oilseal.dxf
MHMF	MHMF5AZL1C3	0.05 k	23bit Absolute Encoder	No	Straight	Yes (with protected lip by Fluoro rubber)	100/200	Connector	Standard	MHMF5AZL1[3] without brake, with oilseal, lip.dxf
MHMF	MHMF5AZL1C3*	0.05 k	23bit Absolute Encoder	No	Straight	Yes (with protected lip by Fluoro rubber)	100/200	Connector	Special order product	MHMF5AZL1[3] without brake, with oilseal, lip.dxf
MHMF	MHMF5AZL1C4	0.05 k	23bit Absolute Encoder	No	Straight	Yes (with protected lip by Fluoro rubber)	100/200	Lead wire	Standard	MHMF5AZL1[4] without brake, with oilseal, lip.dxf
MHMF	MHMF5AZL1C4*	0.05 k	23bit Absolute Encoder	No	Straight	Yes (with protected lip by Fluoro rubber)	100/200	Lead wire	Special order product	MHMF5AZL1[4] without brake, with oilseal, lip.dxf
MHMF	MHMF5AZL1D1	0.05 k	23bit Absolute Encoder	Yes	Straight	Yes	100/200	Connector	Standard	MHMF5AZL1[1] without brake, with oilseal.dxf
MHMF	MHMF5AZL1D1*	0.05 k	23bit Absolute Encoder	Yes	Straight	Yes (NBR)	100/200	Connector	Special order product	MHMF5AZL1[1] with brake, with oilseal.dxf
MHMF	MHMF5AZL1D2	0.05 k	23bit Absolute Encoder	Yes	Straight	Yes (NBR)	100/200	Lead wire	Standard	MHMF5AZL1[2] with brake, with oilseal.dxf
MHMF	MHMF5AZL1D2*	0.05 k	23bit Absolute Encoder	Yes	Straight	Yes (NBR)	100/200	Lead wire	Special order product	MHMF5AZL1[2] with brake, with oilseal.dxf
MHMF	MHMF5AZL1D3	0.05 k	23bit Absolute Encoder	Yes	Straight	Yes (with protected lip by Fluoro rubber)	100/200	Connector	Standard	MHMF5AZL1[3] with brake, with oilseal, lip.dxf
MHMF	MHMF5AZL1D3*	0.05 k	23bit Absolute Encoder	Yes	Straight	Yes (with protected lip by Fluoro rubber)	100/200	Connector	Special order product	MHMF5AZL1[3] with brake, with oilseal, lip.dxf
MHMF	MHMF5AZL1D4	0.05 k	23bit Absolute Encoder	Yes	Straight	Yes (with protected lip by Fluoro rubber)	100/200	Lead wire	Standard	MHMF5AZL1[4] with brake, with oilseal, lip.dxf
MHMF	MHMF5AZL1D4*	0.05 k	23bit Absolute Encoder	Yes	Straight	Yes (with protected lip by Fluoro rubber)	100/200	Lead wire	Special order product	MHMF5AZL1[4] with brake, with oilseal, lip.dxf
MHMF	MHMF5AZL1S1	0.05 k	23bit Absolute Encoder	No	With key and tap	No	100/200	Connector	Standard	MHMF5AZL1[1] without brake, with oilseal.dxf
MHMF	MHMF5AZL1S1*	0.05 k	23bit Absolute Encoder	No	With key and tap	No	100/200	Connector	Special order product	MHMF5AZL1[1] without brake, with oilseal.dxf
MHMF	MHMF5AZL1S2	0.05 k	23bit Absolute Encoder	No	With key and tap	No	100/200	Lead wire	Standard	MHMF5AZL1[2] without brake, without oilseal.dxf
MHMF	MHMF5AZL1S2*	0.05 k	23bit Absolute Encoder	No	With key and tap	No	100/200	Lead wire	Special order product	MHMF5AZL1[2] without brake, without oilseal.dxf
MHMF	MHMF5AZL1T1	0.05 k	23bit Absolute Encoder	Yes	With key and tap	No	100/200	Connector	Standard	MHMF5AZL1[1] with brake, without oilseal.dxf

Part no of series	Order no of series	Rated output W	Encoder	Brake	End of shaft	Oil seal	Motor I/F	Pneumatics V	Mount	Notes
MOMF021L1B1*	MOMF021L1B1*	0.2 k	23bit Absolute Encoder	Yes	Straight	No	100	Connector	Special order product	MOMF021L1112,with brake,without oilseal,dxf
MOMF021L1B2	MOMF021L1B2	0.2 k	23bit Absolute Encoder	Yes	Straight	No	100	Lead wire	Standard	MOMF021L112,with brake,without oilseal,dxf
MOMF021L1B2*	MOMF021L1B2*	0.2 k	23bit Absolute Encoder	Yes	Straight	No	100	Lead wire	Special order product	MOMF021L112,with brake,without oilseal,dxf
MOMF021L1C1	MOMF021L1C1	0.2 k	23bit Absolute Encoder	No	Straight	Yes (NBR)	100	Connector	Standard	MOMF021L111,without brake,with oilseal,dxf
MOMF021L1C1*	MOMF021L1C1*	0.2 k	23bit Absolute Encoder	No	Straight	Yes (NBR)	100	Connector	Special order product	MOMF021L111,without brake,with oilseal,dxf
MOMF021L1C2	MOMF021L1C2	0.2 k	23bit Absolute Encoder	No	Straight	Yes (NBR)	100	Lead wire	Standard	MOMF021L112,without brake,with oilseal,dxf
MOMF021L1C2*	MOMF021L1C2*	0.2 k	23bit Absolute Encoder	No	Straight	Yes (NBR)	100	Lead wire	Special order product	MOMF021L112,without brake,with oilseal,dxf
MOMF021L1C3	MOMF021L1C3	0.2 k	23bit Absolute Encoder	No	Straight	Yes (with protected lip by Fluoro rubber)	100	Connector	Standard	MOMF021L113,with brake,with oilseal,lip,dxf
MOMF021L1C3*	MOMF021L1C3*	0.2 k	23bit Absolute Encoder	No	Straight	Yes (with protected lip by Fluoro rubber)	100	Connector	Special order product	MOMF021L113,with brake,with oilseal,lip,dxf
MOMF021L1C4	MOMF021L1C4	0.2 k	23bit Absolute Encoder	No	Straight	Yes (with protected lip by Fluoro rubber)	100	Lead wire	Standard	MOMF021L114,with brake,with oilseal,lip,dxf
MOMF021L1C4*	MOMF021L1C4*	0.2 k	23bit Absolute Encoder	No	Straight	Yes (with protected lip by Fluoro rubber)	100	Lead wire	Special order product	MOMF021L114,with brake,with oilseal,lip,dxf
MOMF021L1D1	MOMF021L1D1	0.2 k	23bit Absolute Encoder	Yes	Straight	Yes (NBR)	100	Connector	Standard	MOMF021L111,with brake,with oilseal,dxf
MOMF021L1D1*	MOMF021L1D1*	0.2 k	23bit Absolute Encoder	Yes	Straight	Yes (NBR)	100	Connector	Special order product	MOMF021L111,with brake,with oilseal,dxf
MOMF021L1D2	MOMF021L1D2	0.2 k	23bit Absolute Encoder	Yes	Straight	Yes (NBR)	100	Lead wire	Standard	MOMF021L112,with brake,with oilseal,dxf
MOMF021L1D2*	MOMF021L1D2*	0.2 k	23bit Absolute Encoder	Yes	Straight	Yes (NBR)	100	Lead wire	Special order product	MOMF021L112,with brake,with oilseal,dxf
MOMF021L1D3	MOMF021L1D3	0.2 k	23bit Absolute Encoder	Yes	Straight	Yes (with protected lip by Fluoro rubber)	100	Connector	Standard	MOMF021L113,with brake,with oilseal,lip,dxf
MOMF021L1D3*	MOMF021L1D3*	0.2 k	23bit Absolute Encoder	Yes	Straight	Yes (with protected lip by Fluoro rubber)	100	Connector	Special order product	MOMF021L113,with brake,with oilseal,lip,dxf
MOMF021L1D4	MOMF021L1D4	0.2 k	23bit Absolute Encoder	Yes	Straight	Yes (with protected lip by Fluoro rubber)	100	Lead wire	Standard	MOMF021L114,with brake,with oilseal,lip,dxf
MOMF021L1D4*	MOMF021L1D4*	0.2 k	23bit Absolute Encoder	Yes	Straight	Yes (with protected lip by Fluoro rubber)	100	Lead wire	Special order product	MOMF021L114,with brake,with oilseal,lip,dxf
MOMF021L1S1	MOMF021L1S1	0.2 k	23bit Absolute Encoder	No	With key and tap	No	100	Connector	Standard	MOMF021L111,without brake,with oilseal,dxf
MOMF021L1S1*	MOMF021L1S1*	0.2 k	23bit Absolute Encoder	No	With key and tap	No	100	Connector	Special order product	MOMF021L111,without brake,with oilseal,dxf
MOMF021L1S2	MOMF021L1S2	0.2 k	23bit Absolute Encoder	No	With key and tap	No	100	Lead wire	Standard	MOMF021L112,without brake,with oilseal,dxf
MOMF021L1S2*	MOMF021L1S2*	0.2 k	23bit Absolute Encoder	No	With key and tap	No	100	Lead wire	Special order product	MOMF021L112,without brake,with oilseal,dxf
MOMF021L1T1	MOMF021L1T1	0.2 k	23bit Absolute Encoder	Yes	With key and tap	No	100	Connector	Standard	MOMF021L111,with brake,without oilseal,dxf
MOMF021L1T1*	MOMF021L1T1*	0.2 k	23bit Absolute Encoder	Yes	With key and tap	No	100	Connector	Special order product	MOMF021L111,with brake,without oilseal,dxf
MOMF021L1T2	MOMF021L1T2	0.2 k	23bit Absolute Encoder	Yes	With key and tap	No	100	Lead wire	Standard	MOMF021L112,with brake,without oilseal,dxf
MOMF021L1T2*	MOMF021L1T2*	0.2 k	23bit Absolute Encoder	Yes	With key and tap	No	100	Lead wire	Special order product	MOMF021L112,with brake,without oilseal,dxf
MOMF021L1U1	MOMF021L1U1	0.2 k	23bit Absolute Encoder	No	With key and tap	Yes (NBR)	100	Connector	Standard	MOMF021L111,without brake,with oilseal,dxf
MOMF021L1U1*	MOMF021L1U1*	0.2 k	23bit Absolute Encoder	No	With key and tap	Yes (NBR)	100	Connector	Special order product	MOMF021L111,without brake,with oilseal,dxf
MOMF021L1U2	MOMF021L1U2	0.2 k	23bit Absolute Encoder	No	With key and tap	Yes (NBR)	100	Lead wire	Standard	MOMF021L112,without brake,with oilseal,dxf
MOMF021L1U2*	MOMF021L1U2*	0.2 k	23bit Absolute Encoder	No	With key and tap	Yes (NBR)	100	Lead wire	Special order product	MOMF021L112,without brake,with oilseal,dxf
MOMF021L1U3	MOMF021L1U3	0.2 k	23bit Absolute Encoder	No	With key and tap	Yes (with protected lip by Fluoro rubber)	100	Connector	Standard	MOMF021L113,with brake,with oilseal,lip,dxf
MOMF021L1U3*	MOMF021L1U3*	0.2 k	23bit Absolute Encoder	No	With key and tap	Yes (with protected lip by Fluoro rubber)	100	Connector	Special order product	MOMF021L113,with brake,with oilseal,lip,dxf
MOMF021L1U4	MOMF021L1U4	0.2 k	23bit Absolute Encoder	No	With key and tap	Yes (with protected lip by Fluoro rubber)	100	Lead wire	Standard	MOMF021L114,with brake,with oilseal,lip,dxf
MOMF021L1U4*	MOMF021L1U4*	0.2 k	23bit Absolute Encoder	No	With key and tap	Yes (with protected lip by Fluoro rubber)	100	Lead wire	Special order product	MOMF021L114,with brake,with oilseal,lip,dxf
MOMF022L1A1	MOMF022L1A1	0.2 k	23bit Absolute Encoder	No	Straight	No	200	Connector	Standard	MOMF021L111,without brake,without oilseal,dxf
MOMF022L1A1*	MOMF022L1A1*	0.2 k	23bit Absolute Encoder	No	Straight	No	200	Connector	Special order product	MOMF021L111,without brake,without oilseal,dxf
MOMF022L1A2	MOMF022L1A2	0.2 k	23bit Absolute Encoder	No	Straight	No	200	Lead wire	Standard	MOMF021L112,without brake,without oilseal,dxf
MOMF022L1A2*	MOMF022L1A2*	0.2 k	23bit Absolute Encoder	No	Straight	No	200	Lead wire	Special order product	MOMF021L112,without brake,without oilseal,dxf
MOMF022L1B1	MOMF022L1B1	0.2 k	23bit Absolute Encoder	Yes	Straight	No	200	Connector	Standard	MOMF021L111,with brake,without oilseal,dxf
MOMF022L1B1*	MOMF022L1B1*	0.2 k	23bit Absolute Encoder	Yes	Straight	No	200	Connector	Special order product	MOMF021L111,with brake,without oilseal,dxf
MOMF022L1B2	MOMF022L1B2	0.2 k	23bit Absolute Encoder	Yes	Straight	No	200	Lead wire	Standard	MOMF021L112,with brake,without oilseal,dxf
MOMF022L1B2*	MOMF022L1B2*	0.2 k	23bit Absolute Encoder	Yes	Straight	No	200	Lead wire	Special order product	MOMF021L112,with brake,without oilseal,dxf
MOMF022L1C1	MOMF022L1C1	0.2 k	23bit Absolute Encoder	No	Straight	Yes (NBR)	200	Connector	Standard	MOMF021L111,without brake,with oilseal,dxf
MOMF022L1C1*	MOMF022L1C1*	0.2 k	23bit Absolute Encoder	No	Straight	Yes (NBR)	200	Connector	Special order product	MOMF021L111,without brake,with oilseal,dxf
MOMF022L1C2	MOMF022L1C2	0.2 k	23bit Absolute Encoder	No	Straight	Yes (NBR)	200	Lead wire	Standard	MOMF021L112,without brake,with oilseal,dxf
MOMF022L1C2*	MOMF022L1C2*	0.2 k	23bit Absolute Encoder	No	Straight	Yes (NBR)	200	Lead wire	Special order product	MOMF021L112,without brake,with oilseal,dxf
MOMF022L1C3	MOMF022L1C3	0.2 k	23bit Absolute Encoder	No	Straight	Yes (with protected lip by Fluoro rubber)	200	Connector	Standard	MOMF021L113,without brake,with oilseal,lip,dxf
MOMF022L1C3*	MOMF022L1C3*	0.2 k	23bit Absolute Encoder	No	Straight	Yes (with protected lip by Fluoro rubber)	200	Connector	Special order product	MOMF021L113,without brake,with oilseal,lip,dxf
MOMF022L1C4	MOMF022L1C4	0.2 k	23bit Absolute Encoder	No	Straight	Yes (with protected lip by Fluoro rubber)	200	Lead wire	Standard	MOMF021L114,without brake,with oilseal,lip,dxf
MOMF022L1C4*	MOMF022L1C4*	0.2 k	23bit Absolute Encoder	No	Straight	Yes (with protected lip by Fluoro rubber)	200	Lead wire	Special order product	MOMF021L114,without brake,with oilseal,lip,dxf
MOMF022L1D1	MOMF022L1D1	0.2 k	23bit Absolute Encoder	Yes	Straight	Yes (NBR)	200	Connector	Standard	MOMF021L111,with brake,with oilseal,dxf
MOMF022L1D1*	MOMF022L1D1*	0.2 k	23bit Absolute Encoder	Yes	Straight	Yes (NBR)	200	Connector	Special order product	MOMF021L111,with brake,with oilseal,dxf
MOMF022L1D2	MOMF022L1D2	0.2 k	23bit Absolute Encoder	Yes	Straight	Yes (NBR)	200	Lead wire	Standard	MOMF021L112,with brake,with oilseal,dxf
MOMF022L1D2*	MOMF022L1D2*	0.2 k	23bit Absolute Encoder	Yes	Straight	Yes (NBR)	200	Lead wire	Special order product	MOMF021L112,with brake,with oilseal,dxf
MOMF022L1D3	MOMF022L1D3	0.2 k	23bit Absolute Encoder	Yes	Straight	Yes (with protected lip by Fluoro rubber)	200	Connector	Standard	MOMF021L113,with brake,with oilseal,lip,dxf
MOMF022L1D3*	MOMF022L1D3*	0.2 k	23bit Absolute Encoder	Yes	Straight	Yes (with protected lip by Fluoro rubber)	200	Connector	Special order product	MOMF021L113,with brake,with oilseal,lip,dxf
MOMF022L1D4	MOMF022L1D4	0.2 k	23bit Absolute Encoder	Yes	Straight	Yes (with protected lip by Fluoro rubber)	200	Lead wire	Standard	MOMF021L114,with brake,with oilseal,lip,dxf
MOMF022L1D4*	MOMF022L1D4*	0.2 k	23bit Absolute Encoder	Yes	Straight	Yes (with protected lip by Fluoro rubber)	200	Lead wire	Special order product	MOMF021L114,with brake,with oilseal,lip,dxf
MOMF022L1S1	MOMF022L1S1	0.2 k	23bit Absolute Encoder	No	With key and tap	No	200	Connector	Standard	MOMF021L111,without brake,with oilseal,dxf
MOMF022L1S1*	MOMF022L1S1*	0.2 k	23bit Absolute Encoder	No	With key and tap	No	200	Connector	Special order product	MOMF021L111,without brake,with oilseal,dxf
MOMF022L1S2	MOMF022L1S2	0.2 k	23bit Absolute Encoder	No	With key and tap	No	200	Lead wire	Standard	MOMF021L112,without brake,without oilseal,dxf
MOMF022L1S2*	MOMF022L1S2*	0.2 k	23bit Absolute Encoder	No	With key and tap	No	200	Lead wire	Special order product	MOMF021L112,without brake,without oilseal,dxf
MOMF022L1T1	MOMF022L1T1	0.2 k	23bit Absolute Encoder	Yes	With key and tap	No	200	Connector	Standard	MOMF021L111,with brake,without oilseal,dxf
MOMF022L1T1*	MOMF022L1T1*	0.2 k	23bit Absolute Encoder	Yes	With key and tap	No	200	Connector	Special order product	MOMF021L111,with brake,without oilseal,dxf
MOMF022L1T2	MOMF022L1T2	0.2 k	23bit Absolute Encoder	Yes	With key and tap	No	200	Lead wire	Standard	MOMF021L112,with brake,without oilseal,dxf
MOMF022L1T2*	MOMF022L1T2*	0.2 k	23bit Absolute Encoder	Yes	With key and tap	No	200	Lead wire	Special order product	MOMF021L112,with brake,without oilseal,dxf
MOMF022L1U1	MOMF022L1U1	0.2 k	23bit Absolute Encoder	No	With key and tap	Yes (NBR)	200	Connector	Standard	MOMF021L111,without brake,with oilseal,dxf
MOMF022L1U1*	MOMF022L1U1*	0.2 k	23bit Absolute Encoder	No	With key and tap	Yes (NBR)	200	Connector	Special order product	MOMF021L111,without brake,with oilseal,dxf
MOMF022L1U2	MOMF022L1U2	0.2 k	23bit Absolute Encoder	No	With key and tap	Yes (NBR)	200	Lead wire	Standard	MOMF021L112,without brake,with oilseal,dxf
MOMF022L1U2*	MOMF022L1U2*	0.2 k	23bit Absolute Encoder	No	With key and tap	Yes (NBR)	200	Lead wire	Special order product	MOMF021L112,without brake,with oilseal,dxf
MOMF022L1U3	MOMF022L1U3	0.2 k	23bit Absolute Encoder	No	With key and tap	Yes (with protected lip by Fluoro rubber)	200	Connector	Standard	MOMF021L113,without brake,with oilseal,lip,dxf
MOMF022L1U3*	MOMF022L1U3*	0.2 k	23bit Absolute Encoder	No	With key and tap	Yes (with protected lip by Fluoro rubber)	200	Connector	Special order product	MOMF021L113,without brake,with oilseal,lip,dxf
MOMF022L1U4	MOMF022L1U4	0.2 k	23bit Absolute Encoder	No	With key and tap	Yes (with protected lip by Fluoro rubber)	200	Lead wire	Standard	MOMF021L114,without brake,with oilseal,lip,dxf
MOMF022L1U4*	MOMF022L1U4*	0.2 k	23bit Absolute Encoder	No	With key and tap	Yes (with protected lip by Fluoro rubber)	200	Lead wire	Special order product	MOMF021L114,without brake,with oilseal,lip,dxf
MOMF022L1V1	MOMF022L1V1	0.2 k	23bit Absolute Encoder	Yes	With key and tap	Yes (NBR)	200	Connector	Standard	MOMF021L111,with brake,with oilseal,dxf
MOMF022L1V1*	MOMF022L1V1*	0.2 k	23bit Absolute Encoder	Yes	With key and tap	Yes (NBR)	200	Connector	Special order product	MOMF021L111,with brake,with oilseal,dxf
MOMF022L1V2	MOMF022L1V2	0.2 k	23bit Absolute Encoder	Yes	With key and tap	Yes (NBR)	200	Lead wire	Standard	MOMF021L112,with brake,with oilseal,dxf
MOMF022L1V2*	MOMF022L1V2*	0.2 k	23bit Absolute Encoder	Yes	With key and tap	Yes (NBR)	200	Lead wire	Special order product	MOMF021L112,with brake,with oilseal,dxf
MOMF022L1V3	MOMF022L1V3	0.2 k	23bit Absolute Encoder	Yes	With key and tap	Yes (with protected lip by Fluoro rubber)	200	Connector	Standard	MOMF021L113,with brake,with oilseal,lip,dxf
MOMF022L1V3*	MOMF022L1V3*	0.2 k	23bit Absolute Encoder	Yes	With key and tap	Yes (with protected lip by Fluoro rubber)	200	Connector	Special order product	MOMF021L113,with brake,with oilseal,lip,dxf
MOMF022L1V4	MOMF022L1V4	0.2 k	23bit Absolute Encoder	Yes	With key and tap	Yes (with protected lip by Fluoro rubber)	200	Lead wire	Standard	MOMF021L114,with brake,with oilseal,lip,dxf
MOMF022L1V4*	MOMF022L1V4*	0.2 k	23bit Absolute Encoder	Yes	With key and tap	Yes (with protected lip by Fluoro rubber)	200	Lead wire	Special order product	MOMF021L114,with brake,with oilseal,lip,dxf
MOMF041L1A1	MOMF041L1A1	0.4 k	23bit Absolute Encoder	No	Straight	No	100	Connector	Standard	MOMF041L111,without brake,without oilseal,dxf
MOMF041L1A1*	MOMF041L1A1*	0.4 k	23bit Absolute Encoder	No	Straight	No	100	Connector	Special order product	MOMF041L111,without brake,without oilseal,dxf
MOMF041L1A2	MOMF041L1A2	0.4 k	23bit Absolute Encoder	No	Straight	No	100	Lead wire	Standard	MOMF041L112,without brake,without oilseal,dxf
MOMF041L1A2*	MOMF041L1A2*	0.4 k	23bit Absolute Encoder	No	Straight	No	100	Lead wire	Special order product	MOMF041L112,without brake,without oilseal,dxf
MOMF041L1B1	MOMF041L1B1	0.4 k	23bit Absolute Encoder	Yes	Straight	No	100	Connector	Standard	MOMF041L111,with brake,without oilseal,dxf
MOMF041L1B1*	MOMF041L1B1*	0.4 k	23bit Absolute Encoder	Yes	Straight	No	100	Connector	Special order product	MOMF041L111,with brake,without oilseal,dxf
MOMF041L1B2	MOMF041L1B2	0.4 k	23bit Absolute Encoder	Yes	Straight	No	100	Lead wire	Standard	MOMF041L112,with brake,without oilseal,dxf
MOMF041L1B2*	MOMF041L1B2*	0.4 k	23bit Absolute Encoder	Yes	Straight	No	100	Lead wire	Special order product	MOMF041L112,with brake,without oilseal,dxf
MOMF041L1C1	MOMF041L1C1	0.4 k	23bit Absolute Encoder	No	Straight	Yes (NBR)	100	Connector	Standard	MOMF041L111,without brake,with oilseal,dxf
MOMF041L1C1*	MOMF041L1C1*	0.4 k	23bit Absolute Encoder	No	Straight	Yes (NBR)	100	Connector	Special order product	MOMF041L111,without brake,with oilseal,dxf
MOMF041L1C2	MOMF041L1C2	0.4 k	23bit Absolute Encoder	No	Straight	Yes (NBR)	100	Lead wire	Standard	MOMF041L112,without brake,with oilseal,dxf
MOMF041L1C2*	MOMF041L1C2*	0.4 k	23bit Absolute Encoder	No	Straight	Yes (NBR)	100	Lead wire	Special order product	MOMF041L112,without brake,with oilseal,dxf
MOMF041L1C3	MOMF041L1C3	0.4 k	23bit Absolute Encoder	No	Straight	Yes (with protected lip by Fluoro rubber)	100	Connector	Standard	MOMF041L113,without brake,with oilseal,lip,dxf
MOMF041L1C3*	MOMF041L1C3*	0.4 k	23bit Absolute Encoder	No	Straight	Yes (with protected lip by Fluoro rubber)	100	Connector	Special order product	MOMF041L113,without brake,with oilseal,lip,dxf
MOMF041L1C4	MOMF041L1C4	0.4 k	23bit Absolute Encoder	No	Straight	Yes (with protected lip by Fluoro rubber)	100	Lead wire	Standard	MOMF041L114,without brake,with oilseal,lip,dxf
MOMF041L1C4*	MOMF041L1C4*	0.4 k	23bit Absolute Encoder	No	Straight	Yes (with protected lip by Fluoro rubber)	100	Lead wire	Special order product	MOMF041L114,without brake,with oilseal,lip,dxf
MOMF041L1D1	MOMF041L1D1	0.4 k	23bit Absolute Encoder	Yes	Straight	Yes (NBR)	100	Connector	Standard	MOMF041L111,with brake,with oilseal,dxf
MOMF041L1D1*	MOMF041L1D1*	0.4 k	23bit Absolute Encoder	Yes	Straight	Yes (NBR)	100	Connector	Special order product	MOMF041L111,with brake,with oilseal,dxf
MOMF041L1D2	MOMF041L1D2	0.4 k	23bit Absolute Encoder	Yes	Straight	Yes (NBR)	100	Lead wire	Standard	MOMF041L112,with brake,with oilseal,dxf
MOMF041L1D2*	MOMF041L1D2*	0.4 k	23bit Absolute Encoder	Yes	Straight	Yes (NBR)	100	Lead wire	Special order product	MOMF0

Name of series	Order number	Rated output W	Encoder	Brake	End of shaft	Oil seal	Motor I/F	Power supply V	Mount	Notes of dx file
MQMF	MQMF042L01	0.4 k	23bit Absolute Encoder	Yes	Straight	Yes (NBR)	200	Connector	Standard	MQMF04[L][1][1] with brake, with oilseal.dxf
MQMF	MQMF042L01*	0.4 k	23bit Absolute Encoder	Yes	Straight	Yes (NBR)	200	Connector	Special order product	MQMF04[L][1][1] with brake, with oilseal.dxf
MQMF	MQMF042L02	0.4 k	23bit Absolute Encoder	Yes	Straight	Yes (NBR)	200	Lead wire	Standard	MQMF04[L][1][2] with brake, with oilseal.dxf
MQMF	MQMF042L02*	0.4 k	23bit Absolute Encoder	Yes	Straight	Yes (NBR)	200	Lead wire	Special order product	MQMF04[L][1][2] with brake, with oilseal.dxf
MQMF	MQMF042L103	0.4 k	23bit Absolute Encoder	Yes	Straight	Yes (with protected lip by Fluro rubber)	200	Connector	Standard	MQMF04[L][1][3] with brake, with oilseal, lip.dxf
MQMF	MQMF042L103*	0.4 k	23bit Absolute Encoder	Yes	Straight	Yes (with protected lip by Fluro rubber)	200	Connector	Special order product	MQMF04[L][1][3] with brake, with oilseal, lip.dxf
MQMF	MQMF042L104	0.4 k	23bit Absolute Encoder	Yes	Straight	Yes (with protected lip by Fluro rubber)	200	Lead wire	Standard	MQMF04[L][1][4] with brake, with oilseal, lip.dxf
MQMF	MQMF042L104*	0.4 k	23bit Absolute Encoder	Yes	Straight	Yes (with protected lip by Fluro rubber)	200	Lead wire	Special order product	MQMF04[L][1][4] with brake, with oilseal, lip.dxf
MQMF	MQMF042L151	0.4 k	23bit Absolute Encoder	No	With key and tap	No	200	Connector	Standard	MQMF04[L][1][1] without brake, without oilseal.dxf
MQMF	MQMF042L151*	0.4 k	23bit Absolute Encoder	No	With key and tap	No	200	Connector	Special order product	MQMF04[L][1][1] without brake, without oilseal.dxf
MQMF	MQMF042L152	0.4 k	23bit Absolute Encoder	No	With key and tap	No	200	Lead wire	Standard	MQMF04[L][1][2] without brake, without oilseal.dxf
MQMF	MQMF042L152*	0.4 k	23bit Absolute Encoder	No	With key and tap	No	200	Lead wire	Special order product	MQMF04[L][1][2] without brake, without oilseal.dxf
MQMF	MQMF042L1T1	0.4 k	23bit Absolute Encoder	Yes	With key and tap	No	200	Connector	Standard	MQMF04[L][1][1] with brake, without oilseal.dxf
MQMF	MQMF042L1T1*	0.4 k	23bit Absolute Encoder	Yes	With key and tap	No	200	Connector	Special order product	MQMF04[L][1][1] with brake, without oilseal.dxf
MQMF	MQMF042L1T2	0.4 k	23bit Absolute Encoder	Yes	With key and tap	No	200	Lead wire	Standard	MQMF04[L][1][2] with brake, without oilseal.dxf
MQMF	MQMF042L1T2*	0.4 k	23bit Absolute Encoder	Yes	With key and tap	No	200	Lead wire	Special order product	MQMF04[L][1][2] with brake, without oilseal.dxf
MQMF	MQMF042L1U1	0.4 k	23bit Absolute Encoder	No	With key and tap	Yes (NBR)	200	Connector	Standard	MQMF04[L][1][1] without brake, with oilseal.dxf
MQMF	MQMF042L1U1*	0.4 k	23bit Absolute Encoder	No	With key and tap	Yes (NBR)	200	Connector	Special order product	MQMF04[L][1][1] without brake, with oilseal.dxf
MQMF	MQMF042L1U2	0.4 k	23bit Absolute Encoder	No	With key and tap	Yes (NBR)	200	Lead wire	Standard	MQMF04[L][1][2] without brake, with oilseal.dxf
MQMF	MQMF042L1U2*	0.4 k	23bit Absolute Encoder	No	With key and tap	Yes (NBR)	200	Lead wire	Special order product	MQMF04[L][1][2] without brake, with oilseal.dxf
MQMF	MQMF042L1U3	0.4 k	23bit Absolute Encoder	No	With key and tap	Yes (with protected lip by Fluro rubber)	200	Connector	Standard	MQMF04[L][1][3] without brake, with oilseal, lip.dxf
MQMF	MQMF042L1U3*	0.4 k	23bit Absolute Encoder	No	With key and tap	Yes (with protected lip by Fluro rubber)	200	Connector	Special order product	MQMF04[L][1][3] without brake, with oilseal, lip.dxf
MQMF	MQMF042L1U4	0.4 k	23bit Absolute Encoder	No	With key and tap	Yes (with protected lip by Fluro rubber)	200	Lead wire	Standard	MQMF04[L][1][4] without brake, with oilseal, lip.dxf
MQMF	MQMF042L1U4*	0.4 k	23bit Absolute Encoder	No	With key and tap	Yes (with protected lip by Fluro rubber)	200	Lead wire	Special order product	MQMF04[L][1][4] without brake, with oilseal, lip.dxf
MQMF	MQMF042L1V1	0.4 k	23bit Absolute Encoder	Yes	With key and tap	Yes (NBR)	200	Connector	Standard	MQMF04[L][1][1] with brake, with oilseal.dxf
MQMF	MQMF042L1V1*	0.4 k	23bit Absolute Encoder	Yes	With key and tap	Yes (NBR)	200	Connector	Special order product	MQMF04[L][1][1] with brake, with oilseal.dxf
MQMF	MQMF042L1V2	0.4 k	23bit Absolute Encoder	Yes	With key and tap	Yes (NBR)	200	Lead wire	Standard	MQMF04[L][1][2] with brake, with oilseal.dxf
MQMF	MQMF042L1V2*	0.4 k	23bit Absolute Encoder	Yes	With key and tap	Yes (NBR)	200	Lead wire	Special order product	MQMF04[L][1][2] with brake, with oilseal.dxf
MQMF	MQMF042L1V3	0.4 k	23bit Absolute Encoder	Yes	With key and tap	Yes (with protected lip by Fluro rubber)	200	Connector	Standard	MQMF04[L][1][3] with brake, with oilseal, lip.dxf
MQMF	MQMF042L1V3*	0.4 k	23bit Absolute Encoder	Yes	With key and tap	Yes (with protected lip by Fluro rubber)	200	Connector	Special order product	MQMF04[L][1][3] with brake, with oilseal, lip.dxf
MQMF	MQMF042L1V4	0.4 k	23bit Absolute Encoder	Yes	With key and tap	Yes (with protected lip by Fluro rubber)	200	Lead wire	Standard	MQMF04[L][1][4] with brake, with oilseal, lip.dxf
MQMF	MQMF042L1V4*	0.4 k	23bit Absolute Encoder	Yes	With key and tap	Yes (with protected lip by Fluro rubber)	200	Lead wire	Special order product	MQMF04[L][1][4] with brake, with oilseal, lip.dxf
MSMF	MSMF5AZL1A1	0.05 k	23bit Absolute Encoder	No	With key and tap	Yes (with protected lip by Fluro rubber)	100/200	Connector	Special order product	MSMF5AZL1[1] without brake, with oilseal, lip.dxf
MSMF	MSMF5AZL1A1*	0.05 k	23bit Absolute Encoder	No	Straight	No	100/200	Connector	Standard	MSMF5AZL1[1] without brake.dxf
MSMF	MSMF5AZL1A2	0.05 k	23bit Absolute Encoder	No	Straight	No	100/200	Lead wire	Standard	MSMF5AZL1[2] without brake.dxf
MSMF	MSMF5AZL1A2*	0.05 k	23bit Absolute Encoder	No	Straight	No	100/200	Lead wire	Special order product	MSMF5AZL1[2] without brake.dxf
MSMF	MSMF5AZL1B1	0.05 k	23bit Absolute Encoder	Yes	Straight	No	100/200	Connector	Standard	MSMF5AZL1[1] with brake.dxf
MSMF	MSMF5AZL1B1*	0.05 k	23bit Absolute Encoder	Yes	Straight	No	100/200	Connector	Special order product	MSMF5AZL1[1] with brake.dxf
MSMF	MSMF5AZL1B2	0.05 k	23bit Absolute Encoder	Yes	Straight	No	100/200	Lead wire	Standard	MSMF5AZL1[2] with brake.dxf
MSMF	MSMF5AZL1B2*	0.05 k	23bit Absolute Encoder	Yes	Straight	No	100/200	Lead wire	Special order product	MSMF5AZL1[2] with brake.dxf
MSMF	MSMF5AZL1C1	0.05 k	23bit Absolute Encoder	No	Straight	Yes (NBR)	100/200	Connector	Standard	MSMF5AZL1[1] without brake.dxf
MSMF	MSMF5AZL1C1*	0.05 k	23bit Absolute Encoder	No	Straight	Yes (NBR)	100/200	Connector	Special order product	MSMF5AZL1[1] without brake.dxf
MSMF	MSMF5AZL1C2	0.05 k	23bit Absolute Encoder	No	Straight	Yes (NBR)	100/200	Lead wire	Standard	MSMF5AZL1[2] without brake.dxf
MSMF	MSMF5AZL1C2*	0.05 k	23bit Absolute Encoder	No	Straight	Yes (NBR)	100/200	Lead wire	Special order product	MSMF5AZL1[2] without brake.dxf
MSMF	MSMF5AZL1D1	0.05 k	23bit Absolute Encoder	Yes	Straight	Yes (NBR)	100/200	Connector	Standard	MSMF5AZL1[1] with brake.dxf
MSMF	MSMF5AZL1D1*	0.05 k	23bit Absolute Encoder	Yes	Straight	Yes (NBR)	100/200	Connector	Special order product	MSMF5AZL1[1] with brake.dxf
MSMF	MSMF5AZL1D2	0.05 k	23bit Absolute Encoder	Yes	Straight	Yes (NBR)	100/200	Lead wire	Standard	MSMF5AZL1[2] with brake.dxf
MSMF	MSMF5AZL1D2*	0.05 k	23bit Absolute Encoder	Yes	Straight	Yes (NBR)	100/200	Lead wire	Special order product	MSMF5AZL1[2] with brake.dxf
MSMF	MSMF5AZL1S1	0.05 k	23bit Absolute Encoder	No	With key and tap	No	100/200	Connector	Standard	MSMF5AZL1[1] without brake.dxf
MSMF	MSMF5AZL1S1*	0.05 k	23bit Absolute Encoder	No	With key and tap	No	100/200	Connector	Special order product	MSMF5AZL1[1] without brake.dxf
MSMF	MSMF5AZL1S2	0.05 k	23bit Absolute Encoder	No	With key and tap	No	100/200	Lead wire	Standard	MSMF5AZL1[2] without brake.dxf
MSMF	MSMF5AZL1S2*	0.05 k	23bit Absolute Encoder	No	With key and tap	No	100/200	Lead wire	Special order product	MSMF5AZL1[2] without brake.dxf
MSMF	MSMF5AZL1T1	0.05 k	23bit Absolute Encoder	Yes	With key and tap	No	100/200	Connector	Standard	MSMF5AZL1[1] with brake.dxf
MSMF	MSMF5AZL1T1*	0.05 k	23bit Absolute Encoder	Yes	With key and tap	No	100/200	Connector	Special order product	MSMF5AZL1[1] with brake.dxf
MSMF	MSMF5AZL1T2	0.05 k	23bit Absolute Encoder	Yes	With key and tap	No	100/200	Lead wire	Standard	MSMF5AZL1[2] with brake.dxf
MSMF	MSMF5AZL1T2*	0.05 k	23bit Absolute Encoder	Yes	With key and tap	No	100/200	Lead wire	Special order product	MSMF5AZL1[2] with brake.dxf
MSMF	MSMF5AZL1U1	0.05 k	23bit Absolute Encoder	No	With key and tap	Yes (NBR)	100/200	Connector	Standard	MSMF5AZL1[1] without brake.dxf
MSMF	MSMF5AZL1U1*	0.05 k	23bit Absolute Encoder	No	With key and tap	Yes (NBR)	100/200	Connector	Special order product	MSMF5AZL1[1] without brake.dxf
MSMF	MSMF5AZL1U2	0.05 k	23bit Absolute Encoder	No	With key and tap	Yes (NBR)	100/200	Lead wire	Standard	MSMF5AZL1[2] without brake.dxf
MSMF	MSMF5AZL1U2*	0.05 k	23bit Absolute Encoder	No	With key and tap	Yes (NBR)	100/200	Lead wire	Special order product	MSMF5AZL1[2] without brake.dxf
MSMF	MSMF5AZL1V1	0.05 k	23bit Absolute Encoder	Yes	With key and tap	Yes (NBR)	100/200	Connector	Standard	MSMF5AZL1[1] with brake.dxf
MSMF	MSMF5AZL1V1*	0.05 k	23bit Absolute Encoder	Yes	With key and tap	Yes (NBR)	100/200	Connector	Special order product	MSMF5AZL1[1] with brake.dxf
MSMF	MSMF5AZL1V2	0.05 k	23bit Absolute Encoder	Yes	With key and tap	Yes (NBR)	100/200	Lead wire	Standard	MSMF5AZL1[2] with brake.dxf
MSMF	MSMF5AZL1V2*	0.05 k	23bit Absolute Encoder	Yes	With key and tap	Yes (NBR)	100/200	Lead wire	Special order product	MSMF5AZL1[2] with brake.dxf
MSMF	MSMF011L1A1	0.1 k	23bit Absolute Encoder	No	Straight	No	100	Connector	Standard	MSMF01[L][1] without brake.dxf
MSMF	MSMF011L1A1*	0.1 k	23bit Absolute Encoder	No	Straight	No	100	Connector	Special order product	MSMF01[L][1] without brake.dxf
MSMF	MSMF011L1A2	0.1 k	23bit Absolute Encoder	No	Straight	No	100	Lead wire	Standard	MSMF01[L][1] without brake.dxf
MSMF	MSMF011L1A2*	0.1 k	23bit Absolute Encoder	No	Straight	No	100	Lead wire	Special order product	MSMF01[L][1] without brake.dxf
MSMF	MSMF011L1B1	0.1 k	23bit Absolute Encoder	Yes	Straight	No	100	Connector	Standard	MSMF01[L][1] with brake.dxf
MSMF	MSMF011L1B1*	0.1 k	23bit Absolute Encoder	Yes	Straight	No	100	Connector	Special order product	MSMF01[L][1] with brake.dxf
MSMF	MSMF011L1B2	0.1 k	23bit Absolute Encoder	Yes	Straight	No	100	Lead wire	Standard	MSMF01[L][1] with brake.dxf
MSMF	MSMF011L1B2*	0.1 k	23bit Absolute Encoder	Yes	Straight	No	100	Lead wire	Special order product	MSMF01[L][1] with brake.dxf
MSMF	MSMF011L1C1	0.1 k	23bit Absolute Encoder	No	Straight	Yes (NBR)	100	Connector	Standard	MSMF01[L][1] without brake.dxf
MSMF	MSMF011L1C1*	0.1 k	23bit Absolute Encoder	No	Straight	Yes (NBR)	100	Connector	Special order product	MSMF01[L][1] without brake.dxf
MSMF	MSMF011L1C2	0.1 k	23bit Absolute Encoder	No	Straight	Yes (NBR)	100	Lead wire	Standard	MSMF01[L][1] without brake.dxf
MSMF	MSMF011L1C2*	0.1 k	23bit Absolute Encoder	No	Straight	Yes (NBR)	100	Lead wire	Special order product	MSMF01[L][1] without brake.dxf
MSMF	MSMF011L1D1	0.1 k	23bit Absolute Encoder	Yes	Straight	Yes (NBR)	100	Connector	Standard	MSMF01[L][1] with brake.dxf
MSMF	MSMF011L1D1*	0.1 k	23bit Absolute Encoder	Yes	Straight	Yes (NBR)	100	Connector	Special order product	MSMF01[L][1] with brake.dxf
MSMF	MSMF011L1D2	0.1 k	23bit Absolute Encoder	Yes	Straight	Yes (NBR)	100	Lead wire	Standard	MSMF01[L][1] with brake.dxf
MSMF	MSMF011L1D2*	0.1 k	23bit Absolute Encoder	Yes	Straight	Yes (NBR)	100	Lead wire	Special order product	MSMF01[L][1] with brake.dxf
MSMF	MSMF011L1S1	0.1 k	23bit Absolute Encoder	No	With key and tap	No	100	Connector	Standard	MSMF01[L][1] without brake.dxf
MSMF	MSMF011L1S1*	0.1 k	23bit Absolute Encoder	No	With key and tap	No	100	Connector	Special order product	MSMF01[L][1] without brake.dxf
MSMF	MSMF011L1S2	0.1 k	23bit Absolute Encoder	No	With key and tap	No	100	Lead wire	Standard	MSMF01[L][1] without brake.dxf
MSMF	MSMF011L1S2*	0.1 k	23bit Absolute Encoder	No	With key and tap	No	100	Lead wire	Special order product	MSMF01[L][1] without brake.dxf
MSMF	MSMF011L1T1	0.1 k	23bit Absolute Encoder	Yes	With key and tap	No	100	Connector	Standard	MSMF01[L][1] with brake.dxf
MSMF	MSMF011L1T1*	0.1 k	23bit Absolute Encoder	Yes	With key and tap	No	100	Connector	Special order product	MSMF01[L][1] with brake.dxf
MSMF	MSMF011L1T2	0.1 k	23bit Absolute Encoder	Yes	With key and tap	No	100	Lead wire	Standard	MSMF01[L][1] with brake.dxf
MSMF	MSMF011L1T2*	0.1 k	23bit Absolute Encoder	Yes	With key and tap	No	100	Lead wire	Special order product	MSMF01[L][1] with brake.dxf
MSMF	MSMF011L1U1	0.1 k	23bit Absolute Encoder	No	With key and tap	Yes (NBR)	100	Connector	Standard	MSMF01[L][1] without brake.dxf
MSMF	MSMF011L1U1*	0.1 k	23bit Absolute Encoder	No	With key and tap	Yes (NBR)	100	Connector	Special order product	MSMF01[L][1] without brake.dxf
MSMF	MSMF011L1U2	0.1 k	23bit Absolute Encoder	No	With key and tap	Yes (NBR)	100	Lead wire	Standard	MSMF01[L][1] without brake.dxf
MSMF	MSMF011L1U2*	0.1 k	23bit Absolute Encoder	No	With key and tap	Yes (NBR)	100	Lead wire	Special order product	MSMF01[L][1] without brake.dxf
MSMF	MSMF011L1V1	0.1 k	23bit Absolute Encoder	Yes	With key and tap	Yes (NBR)	100	Connector	Standard	MSMF01[L][1] with brake.dxf
MSMF	MSMF011L1V1*	0.1 k	23bit Absolute Encoder	Yes	With key and tap	Yes (NBR)	100	Connector	Special order product	MSMF01[L][1] with brake.dxf
MSMF	MSMF011L1V2	0.1 k	23bit Absolute Encoder	Yes	With key and tap	Yes (NBR)	100	Lead wire	Standard	MSMF01[L][1] with brake.dxf
MSMF	MSMF011L1V2*	0.1 k	23bit Absolute Encoder	Yes	With key and tap	Yes (NBR)	100	Lead wire	Special order product	MSMF01[L][1] with brake.dxf
MSMF	MSMF021L1A1	0.1 k	23bit Absolute Encoder	No	Straight	No	200	Connector	Standard	MSMF01[L][1] without brake.dxf
MSMF	MSMF021L1A1*	0.1 k	23bit Absolute Encoder	No	Straight	No	200	Connector	Special order product	MSMF01[L][1] without brake.dxf
MSMF	MSMF021L1A2	0.1 k	23bit Absolute Encoder	No	Straight	No	200	Lead wire	Standard	MSMF01[L][1] without brake.dxf
MSMF	MSMF021L1A2*	0.1 k	23bit Absolute Encoder	No	Straight	No	200	Lead wire	Special order product	MSMF01[L][1] without brake.dxf
MSMF	MSMF021L1B1	0.1 k	23bit Absolute Encoder	Yes	Straight	No	200	Connector	Standard	MSMF01[L][1] with brake.dxf
MSMF	MSMF021L1B1*	0.1 k	23bit Absolute Encoder	Yes	Straight	No	200	Connector	Special order product	MSMF01[L][1] with brake.dxf
MSMF	MSMF021L1B2	0.1 k	23bit Absolute Encoder	Yes	Straight	No	200	Lead wire	Standard	MSMF01[L][1] with brake.dxf
MSMF	MSMF021L1B2*	0.1 k	23bit Absolute Encoder	Yes	Straight	No	200	Lead wire	Special order product	MSMF01[L][1] with brake.dxf
MSMF	MSMF021L1C1	0.1 k	23bit Absolute Encoder	No	Straight	Yes (NBR)	200	Connector	Standard	MSMF01[L][1] without brake.dxf
MSMF	MSMF021L1C1*	0.1 k	23bit Absolute Encoder	No	Straight	Yes (NBR)	200	Connector	Special order product	MSMF01[L][1] without brake.dxf
MSMF	MSMF021L1C2	0.1 k	23bit Absolute Encoder	No	Straight	Yes (NBR)	200	Lead wire	Standard	MSMF01[L][1] without brake.dxf
MSMF	MSMF021L1C2*	0.1 k	23bit Absolute Encoder	No	Straight	Yes (NBR)	200	Lead wire	Special order product	MSMF01[L][1] without brake.dxf
MSMF	MSMF021L1D1	0.1 k	23bit Absolute Encoder	Yes	Straight	Yes (NBR)	200	Connector	Standard	MSMF01[L][1] with brake.dxf
MSMF	MSMF021L1D1*	0.1 k	23bit Absolute Encoder	Yes	Straight	Yes (NBR)	200	Connector	Special order product	MSMF01[L][1] with brake.dxf
MSMF	MSMF021L1D2	0.1 k	23bit Absolute Encoder	Yes	Straight	Yes (NBR)	200	Lead wire	Standard	MSMF01[L][1] with brake.dxf
MSMF	MSMF021L1D2*	0.1 k	23bit Absolute Encoder	Yes	Straight	Yes (NBR)	200	Lead wire	Special order product	MSMF01[L][1] with brake.dxf
MSMF	MSMF021L1S1	0.1 k	23bit Absolute Encoder	No	With key and tap	No	200	Connector	Standard	MSMF01[L][1] without brake.dxf
MSMF	MSMF021L1S1*	0.1 k	23bit Absolute Encoder	No	With key and tap	No	200	Connector	Special order product	MSMF01[L][1] without brake.dxf
MSMF	MSMF021L1S2	0.1 k	23bit Absolute Encoder							

Part name of series	Order code	Rated output W	Encoder	Brake	End of shaft	Oil seal	Motor I/F	Power supply V	Magnet	Notes of data file
MSMF	MSMF021.L1U2*	0.2 k	23bit Absolute Encoder	No	With key and tap	Yes (NBR)	100	Lead wire	Special order product	MSMF021.L1[2] without brake.dxf
MSMF	MSMF021.L1V1	0.2 k	23bit Absolute Encoder	Yes	With key and tap	Yes (NBR)	100	Connector	Standard	MSMF021.L1[1] with brake.dxf
MSMF	MSMF021.L1V1*	0.2 k	23bit Absolute Encoder	No	With key and tap	Yes (NBR)	100	Connector	Special order product	MSMF021.L1[1] with brake.dxf
MSMF	MSMF021.L1V2	0.2 k	23bit Absolute Encoder	Yes	With key and tap	Yes (NBR)	100	Lead wire	Standard	MSMF021.L1[2] without brake.dxf
MSMF	MSMF021.L1V2*	0.2 k	23bit Absolute Encoder	No	With key and tap	Yes (NBR)	100	Lead wire	Special order product	MSMF021.L1[2] without brake.dxf
MSMF	MSMF022.L1A*	0.2 k	23bit Absolute Encoder	No	Straight	No	200	Connector	Standard	MSMF022.L1[1] without brake.dxf
MSMF	MSMF022.L1A1	0.2 k	23bit Absolute Encoder	No	Straight	No	200	Lead wire	Special order product	MSMF022.L1[1] without brake.dxf
MSMF	MSMF022.L1A2	0.2 k	23bit Absolute Encoder	No	Straight	No	200	Lead wire	Standard	MSMF022.L1[2] without brake.dxf
MSMF	MSMF022.L1A2*	0.2 k	23bit Absolute Encoder	No	Straight	No	200	Lead wire	Special order product	MSMF022.L1[2] without brake.dxf
MSMF	MSMF022.L1B1	0.2 k	23bit Absolute Encoder	No	Straight	Yes	200	Connector	Standard	MSMF022.L1[1] without brake.dxf
MSMF	MSMF022.L1B1*	0.2 k	23bit Absolute Encoder	Yes	Straight	No	200	Connector	Special order product	MSMF022.L1[1] with brake.dxf
MSMF	MSMF022.L1B2	0.2 k	23bit Absolute Encoder	Yes	Straight	No	200	Lead wire	Standard	MSMF022.L1[2] with brake.dxf
MSMF	MSMF022.L1B2*	0.2 k	23bit Absolute Encoder	Yes	Straight	No	200	Lead wire	Special order product	MSMF022.L1[2] with brake.dxf
MSMF	MSMF022.L1C1	0.2 k	23bit Absolute Encoder	No	Straight	Yes (NBR)	200	Connector	Standard	MSMF022.L1[2] without brake.dxf
MSMF	MSMF022.L1C1*	0.2 k	23bit Absolute Encoder	No	Straight	Yes (NBR)	200	Connector	Special order product	MSMF022.L1[2] without brake.dxf
MSMF	MSMF022.L2C1	0.2 k	23bit Absolute Encoder	No	Straight	Yes (NBR)	200	Lead wire	Standard	MSMF022.L1[2] without brake.dxf
MSMF	MSMF022.L2C1*	0.2 k	23bit Absolute Encoder	No	Straight	Yes (NBR)	200	Lead wire	Special order product	MSMF022.L1[2] without brake.dxf
MSMF	MSMF022.L1C2*	0.2 k	23bit Absolute Encoder	No	Straight	Yes (NBR)	200	Lead wire	Special order product	MSMF022.L1[2] without brake.dxf
MSMF	MSMF022.L2C2	0.2 k	23bit Absolute Encoder	Yes	Straight	Yes (NBR)	200	Connector	Standard	MSMF022.L1[2] with brake.dxf
MSMF	MSMF022.L2C2*	0.2 k	23bit Absolute Encoder	Yes	Straight	Yes (NBR)	200	Connector	Special order product	MSMF022.L1[2] with brake.dxf
MSMF	MSMF022.L2D1	0.2 k	23bit Absolute Encoder	Yes	Straight	Yes (NBR)	200	Lead wire	Standard	MSMF022.L1[2] with brake.dxf
MSMF	MSMF022.L2D1*	0.2 k	23bit Absolute Encoder	Yes	Straight	Yes (NBR)	200	Lead wire	Special order product	MSMF022.L1[2] with brake.dxf
MSMF	MSMF022.L1S1	0.2 k	23bit Absolute Encoder	No	With key and tap	No	200	Connector	Standard	MSMF022.L1[1] without brake.dxf
MSMF	MSMF022.L1S1*	0.2 k	23bit Absolute Encoder	No	With key and tap	No	200	Connector	Special order product	MSMF022.L1[1] without brake.dxf
MSMF	MSMF022.L1S2	0.2 k	23bit Absolute Encoder	No	With key and tap	No	200	Lead wire	Standard	MSMF022.L1[2] without brake.dxf
MSMF	MSMF022.L1S2*	0.2 k	23bit Absolute Encoder	No	With key and tap	No	200	Lead wire	Special order product	MSMF022.L1[2] without brake.dxf
MSMF	MSMF022.L1T1	0.2 k	23bit Absolute Encoder	Yes	With key and tap	No	200	Connector	Standard	MSMF022.L1[1] with brake.dxf
MSMF	MSMF022.L1T1*	0.2 k	23bit Absolute Encoder	Yes	With key and tap	No	200	Connector	Special order product	MSMF022.L1[1] with brake.dxf
MSMF	MSMF022.L1T2	0.2 k	23bit Absolute Encoder	Yes	With key and tap	No	200	Lead wire	Standard	MSMF022.L1[2] with brake.dxf
MSMF	MSMF022.L1T2*	0.2 k	23bit Absolute Encoder	Yes	With key and tap	No	200	Lead wire	Special order product	MSMF022.L1[2] with brake.dxf
MSMF	MSMF022.L1U1	0.2 k	23bit Absolute Encoder	No	With key and tap	Yes (NBR)	200	Connector	Standard	MSMF022.L1[1] without brake.dxf
MSMF	MSMF022.L1U1*	0.2 k	23bit Absolute Encoder	No	With key and tap	Yes (NBR)	200	Connector	Special order product	MSMF022.L1[1] without brake.dxf
MSMF	MSMF022.L1U2	0.2 k	23bit Absolute Encoder	Yes	With key and tap	Yes (NBR)	200	Lead wire	Standard	MSMF022.L1[2] without brake.dxf
MSMF	MSMF022.L1U2*	0.2 k	23bit Absolute Encoder	Yes	With key and tap	Yes (NBR)	200	Lead wire	Special order product	MSMF022.L1[2] without brake.dxf
MSMF	MSMF022.L1V1	0.2 k	23bit Absolute Encoder	Yes	With key and tap	Yes (NBR)	200	Connector	Standard	MSMF022.L1[1] with brake.dxf
MSMF	MSMF022.L1V1*	0.2 k	23bit Absolute Encoder	Yes	With key and tap	Yes (NBR)	200	Connector	Special order product	MSMF022.L1[1] with brake.dxf
MSMF	MSMF022.L1V2	0.2 k	23bit Absolute Encoder	Yes	With key and tap	Yes (NBR)	200	Lead wire	Standard	MSMF022.L1[2] with brake.dxf
MSMF	MSMF022.L1V2*	0.2 k	23bit Absolute Encoder	Yes	With key and tap	Yes (NBR)	200	Lead wire	Special order product	MSMF022.L1[2] with brake.dxf

Name of series	Order number	Rated output W	Encoder	Brake	End of shaft	Oil seal	Motor I/F	Power supply V	Magnet	Name of dxf file	
MSMF	MSMF092L1T2	1.0 k	23bit Absolute Encoder	Yes	With key and tap	No	200	Lead wire	Standard	MSMF092L1	[2 with brake.dxf
MSMF	MSMF092L1T2*	1.0 k	23bit Absolute Encoder	Yes	With key and tap	No	200	Lead wire	Special order product	MSMF092L1	[2 with brake.dxf
MSMF	MSMF092L1U1	1.0 k	23bit Absolute Encoder	No	With key and tap	Yes (NBR)	200	Connector	Standard	MSMF092L1	[1 without brake.dxf
MSMF	MSMF092L1U1*	1.0 k	23bit Absolute Encoder	No	With key and tap	Yes (NBR)	200	Connector	Special order product	MSMF092L1	[1 without brake.dxf
MSMF	MSMF092L1U2	1.0 k	23bit Absolute Encoder	No	With key and tap	Yes (NBR)	200	Lead wire	Standard	MSMF092L1	[2 without brake.dxf
MSMF	MSMF092L1U2*	1.0 k	23bit Absolute Encoder	No	With key and tap	Yes (NBR)	200	Lead wire	Special order product	MSMF092L1	[2 without brake.dxf
MSMF	MSMF092L1V1	1.0 k	23bit Absolute Encoder	Yes	With key and tap	Yes (NBR)	200	Connector	Standard	MSMF092L1	[1 with brake.dxf
MSMF	MSMF092L1V1*	1.0 k	23bit Absolute Encoder	Yes	With key and tap	Yes (NBR)	200	Connector	Special order product	MSMF092L1	[1 with brake.dxf
MSMF	MSMF092L1V2	1.0 k	23bit Absolute Encoder	Yes	With key and tap	Yes (NBR)	200	Lead wire	Standard	MSMF092L1	[2 with brake.dxf
MSMF	MSMF092L1V2*	1.0 k	23bit Absolute Encoder	Yes	With key and tap	Yes (NBR)	200	Lead wire	Special order product	MSMF092L1	[2 with brake.dxf