



MocDrive	MD28-006-o	MD28-009-o	MD28-012-o	MD42-022-o	MD42-036-o	MD42-044-o	MD42-070-o	MD60-110-o	MD60-210-o	MD60-300-o
Flange size	28 x 28 mm	28 x 28 mm	28 x 28 mm	42 x 42 mm	42 x 42mm	42 x 42mm	42 x 42mm	60 x 60mm	60 x 60mm	60 x 60mm
NEMA size	11	11	11	17	17	17	17	24	24	24
Stepper Motor Phases	2	2	2	2	2	2	2	2	2	2
Step Angle	1,8°	1,8°	1,8°	1,8°	1,8°	1,8°	1,8°	1,8°	1,8°	1,8°
Holding Torque	0,06 Nm	0,09 Nm	0,12 Nm	0,22 Nm	0,36 Nm	0,44 Nm	0,7 Nm	1,1 Nm	2,1 Nm	3 Nm
Motor Supply (nominal)	24 V	24 V	24 V	24 V	24 V	24 V	24 V	48 V	48 V	48 V
Controller Supply (nominal)	24 V	24 V	24 V	24 V	24 V	24 V	24 V	48 V	48 V	48 V
Phase Current Motor	0,67 A	0,67A	0,67A	2A	2A	2A	2A	2,8A	2,8A	2,8A
Phase Current Controller, max. (rms, continuos)	1,4 A	1,4A	1,4A	2,2A	2,2A	2,2A	2,2A	2,8A	2,8A	2,8A
Phase Current Controller, max. (peak)	2A	2A	2A	4A	4A	4A	4A	4,2A	4,2A	4,2A
Length inkl. Shaft and without attached cables	63,5 mm	76,5 mm	82,5 mm	75 mm	81 mm	89 mm	102 mm	83 mm	103 mm	124 mm
Control Type	open loop	open loop	open loop	open loop closed loop light	open loop closed loop light	open loop closed loop light	open loop closed loop light	open loop	open loop	open loop
Stand Alone & Remote Control	X	X	X	X	X	X	X	X	X	X
MotionController: Speed and Position Control	X	X	X	X	X	X	X	X	X	X
Acceleration Ramp	linear	linear	linear	linear	linear	linear	linear	linear	linear	linear
Step/Direction Input	-	-	-	-	-	-	-	-	-	-
RS485	JST	JST	JST	JST	JST	JST	JST	JST	JST	JST
RS232	-	-	-	-	-	-	-	-	-	-
CAN	-	-	-	optional	optional	optional	optional	-	-	-
USB	-	-	-	Mini	Mini	Mini	Mini	Micro	Micro	Micro
Home-/Endswitch Inputs	2 x 24V	2 x 24V	2 x 24V	2 x 24V	2 x 24V	2 x 24V	2 x 24V	2 x 24V	2 x 24V	2 x 24V
General Purpose IN (digital)	2 x 24V	2 x 24V	2 x 24V	2 x 24V	2 x 24V	2 x 24V	2 x 24V	(2x 0...10V)	(2x 0...10V)	(2x 0...10V)
General Purpose OUT (digital)	2 x OD 24V	2 x OD 24V	2 x OD 24V	2 x OD 24V	2 x OD 24V	2 x OD 24V	2 x OD 24V	2x OC, 100mA	2x OC, 100mA	2x OC, 100mA
General Purpose IN (analog)	-	-	-	1 x 0...5V	1 x 0...5V	1 x 0...5V	1 x 0...5V	2x 0...10V	2x 0...10V	2x 0...10V
Absolut-Encoder Resolution	10 bit	10 bit	10 bit	12 bit	12 bit	12 bit	12 bit	12 bit	12 bit	12 bit
ABN Encoder Interface	-	-	-	-	-	-	-	-	-	-
MicrtoStep Resolution	1..256	1..256	1..256	1..256	1..256	1..256	1..256	1..256	1..256	1..256
Stall/Load Detection	X	X	X	X	X	X	X	X	X	X
Load Dependent Current Control	X	X	X	X	X	X	X	X	X	X
Advanced Hysteresis Chopper	X	X	X	X	X	X	X	X	X	X
Low Noise Chopper	-	-	-	-	-	-	-	-	-	-
Replacement for	TMCM-1021	TMCM-1021	TMCM-1021	TMCM-1140 TMCM-1141	TMCM-1140 TMCM-1141	TMCM-1140 TMCM-1141	TMCM-1140 TMCM-1141	TMCM-1160	TMCM-1160	TMCM-1160
CANopen protocol	-	-	-	optional	optional	optional	optional	-	-	-
Housing	Open Frame	Open Frame	Open Frame	Open Frame	Open Frame	Open Frame	Open Frame	Open Frame	Open Frame	Open Frame
Order Code	MD28-006-o	MD28-009-o	MD28-012-o	MD42-022-o	MD42-036-o	MD42-044-o	MD42-070-o	MD60-110-o	MD60-210-o	MD60-300-o
Order Options	-	-	-	- RS232 - CAN - NoEnc	- RS232 - CAN - NoEnc	- RS232 - CAN - NoEnc	- RS232 - CAN - NoEnc	-	-	-
Related Cable Loom	IKS28-Kabel	IKS28-Kabel	IKS28-Kabel	IKS42-Kabel	IKS42-Kabel	IKS42-Kabel	IKS42-Kabel	IKS60-Kabel	IKS60-Kabel	IKS60-Kabel