

# rotary gripper module

## EHMD-40-RE-GE-16

Part number: 8099502

FESTO



### Data sheet

Feature	Value
Size	40
Rotation angle	Endless
Stroke per gripper jaw	15 mm
Controllable stroke range per gripper jaw	0 ... 15 mm
Number of gripper fingers	2
Assembly position	Any
Design structure	Electric rotary drive Electric gripper
Position detection	Rotation: motor encoder Gripping: motor encoder
Gripper function	Parallel
Motor type	Stepper motor
Referencing	Rotation: encoder index Gripping: fixed stop block
Rotor position sensor	Incremental encoder
Rotary position encoder interface	RS422 TTL AB-channel + zero index
Rotary position encoder measuring principle	Optical
Max. output speed	240 1/min
Duty cycle	100 %
Insulation protection class	B
Nominal motor current	0.9 A
Note on nominal motor current	0.5 A for gripper drive
Nominal voltage DC	24 V
Authorisation	RCM Mark
KC mark	KC-EMV
CE mark (see declaration of conformity)	to EU directive for EMC in accordance with EU RoHS directive
UKCA marking (see declaration of conformity)	To UK instructions for EMC
PWIS conformity	VDMA24364 zone III
Storage temperature	-20 ... 70 °C
Relative air humidity	0 - 85 %
Protection class	IP20
Ambient temperature	0 ... 40 °C
Gripping force per gripper jaw	3 ... 14 N
Max. output torque	0.3 Nm
Max. torque at gripper Mx static	1.5 Nm
Max. torque at gripper My static	1.5 Nm
Max. torque at gripper Mz static	1.5 Nm
Product weight	724 g
Electrical connection 1, connection type	Plug
Electrical connection 1, connection technology	Connection pattern F1
Mounting type	With dovetail slot
Materials note	Conforms to RoHS
Material cover	PA-reinforced
Material housing	Anodised wrought aluminium alloy