

# Rotary gripper module EHMD-40-RE-GE-16

Part number: 8099502

FESTO



## Data sheet

Feature	Value
Size	40
Rotation angle	Infinite
Stroke per gripper jaws	15 mm
Controllable stroke range per gripper jaw	0 mm...15 mm
Number of gripper jaws	2
Mounting position	optional
Design	Electric rotary drive Electric gripper
Position detection	Rotation: motor encoder Gripping: motor encoder
Gripper function	Parallel
Type of motor	Stepper motor
Referencing	Rotation: encoder index Gripping: fixed stop block
Rotor position sensor	Incremental encoder
Rotor position encoder interface	RS422 TTL AB channels + zero index
Rotor position sensor, encoder measuring principle	Optical
Max. drive output speed	240 rpm
Duty cycle	100%
Insulation protection class	B
Nominal motor current	0.9 A
Note on motor nominal current	0.5 A for gripper drive
Nominal voltage DC	24 V
Approval	RCM trademark
KC mark	KC-EMV
CE mark (see declaration of conformity)	To EU EMC Directive In accordance with EU RoHS Directive
CE marking (see declaration of conformity)	To UK instructions for EMC
LABS (PWIS) conformity	VDMA24364 zone III
Storage temperature	-20 °C...70 °C
Relative air humidity	0 - 85%
Degree of protection	IP20

<b>Feature</b>	<b>Value</b>
Ambient temperature	0 °C...40 °C
Gripping force per gripper jaw	3 N...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	Plugs
Electrical connection 1, connector system	Connection pattern F1
Type of mounting	Via dovetail slot
Note on materials	RoHS-compliant
Material cover	PA-reinforced
Material housing	Anodised wrought aluminium alloy