

Rotary gripper module EHMD-40-RE-GE

Part number: 4788875

FESTO



Data sheet

Feature	Value
Size	40
Rotation angle	Infinite
Stroke per gripper jaw	5 mm
Controllable stroke range per gripper jaw	0 mm ... 5 mm
Number of gripper jaws	2
Mounting position	Any
Structural design	Electric rotary actuator Electric gripper
Position sensing	Rotation: motor encoder Gripping: motor encoder
Gripper function	Parallel
Motor type	Stepper motor
Homing	Rotation: encoder index Gripping: fixed stop block
Rotor position sensor	Incremental encoder
Rotor position sensor interface	RS422 TTL A/B channels + zero index
Rotor position sensor measuring principle	Optical
Max. output speed	240 1/min
Duty cycle	100%
Insulation protection class	B
Motor nominal current	0.9 A
Information on nominal motor current	0.5 A for gripper actuator
DC nominal voltage	24 V
Certification	RCM compliance mark
KC characters	KC EMC
CE marking (see declaration of conformity)	As per EU EMC directive As per EU RoHS directive
UKCA marking (see declaration of conformity)	To UK instructions for EMC
Storage temperature	-20 °C ... 70 °C
Relative air humidity	0 - 85 %
Degree of protection	IP20
Ambient temperature	0 °C ... 40 °C
Gripping force per gripper jaw	7 N ... 35 N
Max. output torque	0.3 Nm
Maximum torque on gripper jaw, Mx static	0.7 Nm
Maximum torque on gripper jaw, My static	1.5 Nm
Maximum torque on gripper jaw, Mz static	0.7 Nm

Feature	Value
Product weight	681 g
Electrical connection 1, connection type	Plug
Electrical connection 1, connection technology	Connection diagram F1
Type of mounting	With dovetail slot
Note on materials	Contains paint-wetting impairment substances RoHS-compliant
Cover material	PA-reinforced
Housing material	Wrought aluminum alloy, anodized