

Actuators IC

Reversible gear motor to transmit rotary movements between 0 and 90°, for actuation of gas and air valves.

Overview



Reversible gear motor to transmit rotary movements between 0 and 90°, for actuation of gas and air valves

Features & Benefits:

- IC 20, IC 30, IC 50 with voltage-free limit switches, Automatic/Manual mode changeover, position feedback and externally readable position indicator
- IC 50 also with selectable direction of rotation
- IC 40 for complex applications with programmable functions for flexible adjustment to the process, with statistics and fault history to support service personnel
- Running time:
 - IC 20: 7.5 to 60 s,
 - IC 30: 30 and 60 s,
 - IC 50: 3.7 to 60 s
 - IC 40: programmable
- Mains voltage:
 - IC 20: 120 to 230 V AC,
 - IC 30: 24 V DC,
 - IC 40: 100 to 230 V AC,
 - IC 50: 24 to 230 V AC
- Torque:
 - IC 20, IC 40: 2.5 (at 50 Hz) and 3 Nm,
 - IC 30: 3 Nm,
 - IC 50: 3 to 30 Nm,
- Controlled by
 - IC 30: three-point step
 - IC 20, IC 50: three-point step or continuous signal,
 - IC 40: three-point step, two-point, PLC or continuous signal

More Information:

- [Technical Information for IC 20, IC 30, IC 50](#)
- [Find products in ProFi for IC 20, IC 40](#)
- [Find products in ProFi for IC 30](#)
- [Find products in ProFi for IC 50](#)



Specifications

ENVIRONMENTAL CONDITIONS

Ambient Temperature Range

- IC 20/IC 40/IC 50: -20 to +60 deg C
- IC 30: -15...+60 deg C

Enclosure Rating

- IP64/IP65

SOFTWARE, CONFIGURATION & CYBER

Software Configuration

- IC 40 - BCSoft programmable

ACTUATION, VALVE & MOTION CONTROL SPECIFICATIONS

Position Indicator

- External position indicator, readable from outside

Holding Torque

- High holding torque; actuator holds position when de-energized

Actuator Type

- Electric rotary actuator

INSTALLATION & MOUNTING SPECIFICATIONS

Mounting Position

- Vertical/horizontal

PROCESSING & PERFORMANCE METRICS

Adjustment Angle

- 0 to 90 deg , adjustable

Duty Cycle

- 1

PRODUCT OVERVIEW & CLASSIFICATION

Product Family

- Actuators IC (IC 20, IC 30, IC 40, IC 50)

CONTROL, LOGIC & FUNCTIONAL BEHAVIOR

Control Modes

- IC 20/IC 30/IC 50 - 3-point step
- IC 40 - 2-point, 3-point, staged, analogue

Manual Mode

- Switchable between Automatic and Manual mode

ELECTRICAL SPECIFICATIONS

Power Supply

- IC 20: 120/230 VAC, IC 30: 24 VDC
- IC 40: 100-230 VAC Auto
- IC 50: 24 VAC, 120 VAC, 230 VAC



APPLICATIONS & COMPATIBILITY

Applications

- IC 20/IC30/IC 40 - Precise rotary actuation 0 to 90 deg for controlling gas and air flow rates in combustion systems, IC50 - High-torque gas & air control

MECHANICAL DESIGN & ADJUSTMENT CHARACTERISTICS

Motion Type

- Electric rotary

STANDARDS & CERTIFICATIONS

Approvals

- EU (LVD, EMC, RoHS), ANSI/CSA (model-dependent), Eurasian Customs Union, UL Listed

Filters

▼ CATEGORY

- ☒ Base Part
- ☒ Spare Part

▼ TYPE

- ☒ Actuator IC
- ☒ Adapter Set
- ☒ Ball Valve
- ☒ Actuator
- ☒ Attachment Set
- ☒ Coupling
- ☒ Gasket

 Search

Part Number	101027617
Description	CPLG, SLD, IC20, IC40
Category	Spare Part
Type	Coupling
	Order Online

Part Number	74215215
Description	IC 50-60W30TR10
Category	Base Part
Type	Actuator IC
	Order Online

Part Number	HK405459X009
Description	ACT, IC40A2A W/PROGRAM 2.5NM 22IN LB, 4 20
Category	Base Part
Type	Actuator IC
	Order Online

Part Number	KS03149351
Description	ACT IC 30 30K3T 24V/50 60HZ 30S 3 NM 26
Category	Spare Part
Type	Actuator
	Order Online

Part Number	KS03149352
Description	Actuator, IC 30-30K3TR10, Kromschroder,
Category	Base Part
Type	Actuator IC Order Online
Part Number	KS03149353
Description	IC 30-60K3T
Category	Base Part
Type	Actuator IC Order Online
Part Number	KS03149354
Description	Actuator, IC 30-60K3TR10, 60 Seconds per
Category	Base Part
Type	Actuator IC Order Online
Part Number	KS03250237
Description	BAL 3.1.6.2 IC, BVA/BVG
Category	Spare Part
Type	Ball Valve Order Online
Part Number	KS03250265
Description	BAL 3.1.6.2 EINBAUANL. POTI.IC20
Category	Spare Part
Type	Ball Valve Order Online
Part Number	KS35454519
Description	PLT, SHLD, BVH
Category	Spare Part
Type	Plate Order Online

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Product Number



Please sign in to view part numbers available for purchase based on your account

Sign In

101027617

CPLG,SLD,IC20,IC40

101027617

CPLG,SLD,IC20,IC40

74215215

IC 50-60W30TR10

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IC 50-60W30TR10

HK405459X009

ACT,IC40A2A W/PROGRAM 2.5NM 22IN LB,4 20



HK405459X009

ACT,IC40A2A W/PROGRAM 2.5NM 22IN LB,4 20

KS03149351

ACT IC 30 30K3T 24V/50 60HZ 30S 3 NM 26

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ACT IC 30 30K3T 24V/50 60HZ 30S 3 NM 26

KS03149352

Actuator, IC 30-30K3TR10, Kromschroder,

KS03149352

Actuator, IC 30-30K3TR10, Kromschroder,

KS03149353

IC 30-60K3T

KS03149353

IC 30-60K3T

KS03149354

Actuator, IC 30-60K3TR10, 60 Seconds per

KS03149354

Actuator, IC 30-60K3TR10, 60 Seconds per

KS03250237

BAL 3.1.6.2 IC,BVA/BVG

KS03250237

BAL 3.1.6.2 IC,BVA/BVG

KS03250265

BAL 3.1.6.2 EINBAUANL. POTI.IC20

KS03250265

BAL 3.1.6.2 EINBAUANL. POTI.IC20

KS35454519

PLT,SHLD,BVH

KS35454519

PLT,SHLD,BVH