

# eGSA ACTUATOR

ELECTRIC GEAR SHIFT ACTUATOR



## AT A GLANCE

- > HIGH PERFORMANCE ACTUATION
- > WEAR PROTECTION OF TRANSMISSION
- > SIMPLE INTEGRATION
- > MODULAR DESIGN
- > CUSTOMIZABLE CONTROL LOGIC

## PRODUCT DESCRIPTION

Kongsberg Automotive's eGSA is designed for optimal transmission performance, featuring responsive gear engagement and a rigid detent function to mechanically lock transmission in gear/neutral. Its robust design is resistant to heavy-duty levels of vibration and shock, ensuring durability in demanding environments. Experience reliable and efficient operation with Kongsberg Automotive's eGSA.





## PRODUCT SPECIFICATION\*

VOLTAGE	24V
DISENGAGEMENT FORCE	max 2000N
ENGAGEMENT FORCE	max 1500N
SHIFT STROKE	±10 mm nominal (±13 mm max)
SHIFT TIME	60ms (assumed no blocking in transmission)
PROTECTION CAPABILITY	IP67/IP69K
NUMBER OF OPERATIONS:	>8 000 000
VIBRATION	ISO 16750
OPERATION TEMPERATURE	-40°C to 125°C
SENSOR SIGNAL	PWM, or via CAN BUS from integrated ECU
CONTROL UNIT	integrated

\* Product specifications is an example and will vary for different applications

## FEATURES

- > **RESPONSIVE GEAR ENGAGEMENT: HANDLING SYNCHRONIZATION AND TEETH-TO-TEETH SITUATION WITH UNIQUE BARREL -CAM AND SPRING DESIGN**
- > **MODULAR DESIGN: ALLOWS FOR COMBINING WITH GEAR CONTROL UNIT OR AS A STAND-ALONE UNIT**
- > **INTEGRATED, RIGID DETENT FUNCTION TO MECHANICALLY LOCK TRANSMISSION IN GEAR/ NEUTRAL**
- > **SMART CONTROL LOGIC FOR OPTIMAL GEAR SHIFTS AND REDUCED TRANSMISSION WEAR**
- > **EMBEDDED ELECTRONICS AND SW FOR CONTROL AND INTEGRATED SENSORS**