

SHIFT BY WIRE

ROTARY SHIFTER



MECHANICAL SPECIFICATION

> AMBIENT TEMPERATURE RANGE	-40°C TO 85°C
> KNOB MISUSE TORQUE	10NM
> DURABILITY CYCLES	500 000
> SHIFT TORQUE (TAILORED)	0.125NM
> SHIFT STROKE	22.5°
> MASS	320G
> SIZE (EXCL. KNOB AND PANEL)	102X98X65MM
> MOUNTING INTERFACE	4XM4
> DUST PROTECTION	DIN 40050-9

ELECTRICAL SPECIFICATION

> NOMINAL VOLTAGE	12V
> CURRENT CONSUMPTION	≤300MA
> ISO26262 COMPLIANT HW	YES
> ISO16750-2 (ELECTRICAL REQ.)	CLASS A
> ACTIVE GEAR INDICATION OUTPUT	ANY NUMBER
> ILLUMINATION DRIVER	200MA
> COMMUNICATION PROTOCOL	CAN

PRODUCT DESCRIPTION

Kongsberg Automotive can offer a wide range of rotary shifters based on customer needs and requirements.

In addition to the basic designs, Kongsberg Automotive has a patented and verified solution for an electro-mechanical locking system which allows the positions for P, R, N, D etc. to be not fixed, but assigned at start-up, whilst still having a locking functionality. The electro-mechanical lock system is faster and consumes less current compared to conventional solenoid solutions.

According to customer requirements, the rotary knob can be offered with a stable central drum with only the outer ring rotating. The shifter can also be designed to include different buttons and illuminated patterns.

