



KONGSBERG
AUTOMOTIVE

SHIFT BY WIRE

LEVER SHIFTER



MECHANICAL SPECIFICATION

> AMBIENT TEMPERATURE RANGE	-40°C TO 85°C
> LEVER MISUSE TORQUE	40NM
> DURABILITY CYCLES	500 000
> SHIFT TORQUE (TAILORED)	0.5-2.0NM
> SHIFT GATE STROKE	6-14°
> A- M GATE STROKE	6°
> KNOB ACTIVATION RADIUS	80MM
> MASS (EXCL. KNOB OR PANEL)	220G
> SIZE (EXCL. KNOB AND PANEL)	118X82X70MM
> MOUNTING INTERFACE	4XM4/M5
> DUST PROTECTION	DIN 40050-9

ELECTRICAL SPECIFICATION

> NOMINAL VOLTAGE	12/24V
> CURRENT CONSUMPTION	≤100MA
> ISO26262 COMPLIANT HW	YES
> ISO16750-2 (ELECTRICAL REQ.)	CLASS A
> ACTIVE GEAR INDICATION OUTPUT	ANY NUMBER
> ILLUMINATION DRIVER	200MA
> COMMUNICATION PROTOCOL	CAN & LIN

PRODUCT DESCRIPTION

For more than 20 years Kongsberg Automotive has supplied lever or joystick type shifters, based either on our generic modular technology tailored for each customer application, or unique fully customized designs.

Compact and patented design solutions in combination with proven sensing of shift signals ensures reliable and durable products. Special features, such as auto return functionality, can be added by including electrical motors to the shifter to enhance driver experience.

Driver interfaces like panels and knobs can be offered with leather, painted or chrome surfaces together with different illumination options like colored indexation and black panel effects.



CHINA: WUXI JIANGSU, 214028, CHINA // T: +86 510 8528 2165

EUROPE: KONGSBERG, NORWAY // T: + 47 32 77 05 00

NORTH AMERICA: NOVI, MI 48377, USA // T: + 1248 4681301

WWW.KONGSBERGAUTOMOTIVE.COM