Honeywell

Shifters Line Guide



Rugged Construction. Custom Solutions. Honeywell Sensing and Control (S&C) shifters are expertly crafted for enhanced off-highway application performance, precision, direction, and speed control. Our electromechanical shifters are completely sealed and built to withstand rugged conditions and harsh environments.

But more importantly, our engineers offer industry-leading design experience and expertise — for customized solutions to meet any of your exacting specifications. So whether it's an out-of-the-box product or a perfectly tailored solution, Honeywell S&C's tradition of quality and innovation is infused throughout every shifter and component shipped.

FEATURES

SHIFTERS

Standard and Custom Designed.

Features: Broad product line • Designed for rugged environment • Completely sealed (IP67 rating) • Vast array of optional features including variety of electrical connections that include integral Deutsch or Packard as well as wire leads that can accept a variety of terminations • An optional momentary button can be used for either the horn or as a kick-down function • 2.5 N-m torque to shift F N R • Large sliding contacts that can handle a solenoid load of 2 A @12.8 Vdc (with arc suppression), yet can also signal a dry circuit electronic control unit • Up to six speeds with optional bump feature • Flexible design capability • Mounting clamp available separately, with or without a locating pin

Benefits: Built to withstand the harsh environments of the off-highway industry. Potential pplications include agricultural equipment (utility tractors, loaders), construction (telehandlers, front loader/ backhoes, forklifts, off-highway mining trucks) and material handling equipment, on-highway vehicles (trucks, refuse trucks), motor coaches, and airport ground support equipment (tugs, de-icers).

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Shift to the industry leader. Proof of quality is found in the field — on the front lines — and Honeywell S&C shifters offer a rugged, sealed design that excels in turbulent situations. Our shifters with heavy-duty, self-cleaning sliding contact technology deliver outstanding reliability—enhancing performance. Each shifter is designed to interface directly with electronic control units or activate a solenoid for flexibility in multiple off-highway applications. And, each offers critical value-added advantages and are tested for shock, vibration, mechanical, electrical, environmental, durability, and performance specifications.



Shifters	Specifications/ratings include:
Mounting	left, right
Column size	38 mm, 45 mm, 55 mm
Neutral lock	none, drop-down
Speeds	2, 3, 4, and 6
Buttons	horn, wash, or drop-down
Connectors	integral Packard, integral Deutsch, wire harness
Expected cycle life	1 million (rotary); 500000 (shifter handle)
Lever	3 million (with drop-down neutral lock); 1 million (without drop-down neutral lock)
Operating temperature	-40 °C to 85 °C [-40 °F to 185 °F]
Operating voltage range	3 V to 32 V
Handle dead weight limit	160 lb [712 Newtons]
Solenoid load	2 A @ 12.8 V with arc suppression

Warranty. Honeywell warrants goods of its manufacture as being free of defective materials and faulty workmanship. Honeywell's standard product warranty applies unless agreed to otherwise by Honeywell in writing; please refer to your order acknowledgement or consult your local sales office for specific warranty details. If warranted goods are returned to Honeywell during the period of coverage, Honeywell will repair or replace, at its option, without charge those items it finds defective. **The foregoing is buyer's sole remedy and is in lieu of all warranties, expressed or implied, including those of merchantability and fitness for a particular purpose. In no event shall Honeywell be liable for consequential, special, or indirect damages.**

While we provide application assistance personally, through our literature and the Honeywell web site, it is up to the customer to determine the suitability of the product in the application.

Specifications may change without notice. The information we supply is believed to be accurate and reliable as of this printing. However, we assume no responsibility for its use.

For more information about Sensing and Control products, visit www.honeywell.com/sensing or call +1-217-753-7752
Email inquiries to info.sc@honeywell.com

⚠ WARNING
PERSONAL INJURY

- DO NOT USE these products as safety or emergency stop devices or in any other application where failure of the product could result in personal injury.

Failure to comply with these instructions could result in death or serious injury.

⚠ WARNING
MISUSE OF DOCUMENTATION

- The information presented in this catalogue is for reference only. DO NOT USE this document as product installation information.
- Complete installation, operation and maintenance information is provided in the instructions supplied with each product.

Failure to comply with these instructions could result in death or serious injury.

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