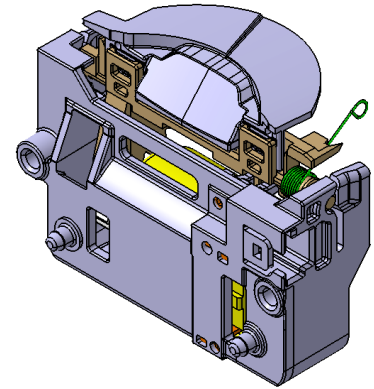


Characteristics:

The bi-function actuator provides a low beam cutoff and a high beam by rotating a reflective shutter. This improves beam pattern homogeneity, reduces the number of LEDs, and optimizes the size of the headlamp. Its command signal is an analog voltage sent directly by a manual switch or automatically by a sensor.

The cutoff is driven by a DC motor.



Performance:

Performance (typical, other requirements can be adjusted)

Voltage range	Temperature range	Movement of cutoff	Consumption	Time transition at 23°C LB → HB	Time transition at 23°C HB → LB	lifetime
(V)	(°C)	(deg)	(mA)	(ms)	(ms)	(cycles; years)
9 - 16	-40 - +105	0 to 40	≤250	≤150	≤150	200k cycles; +10y

Electrical connection and control

- Low beam position at rest
 - High beam position powered
 - Connector
 - DC motor
 - EMC
- Open circuit
 - Supply voltage (9-16V)
 - Mate with Tyco 1-1718333-1 (2 pins 0.64x0.64)
 - Internal patented design
 - Several spec validated (details on demand)

Design features (see drawing for details)

- Fixation on module
 - Dimensions
 - Max cutoff weight
 - Cutoff axis rotation
 - LB / HB Z opening
 - Notch point precision X Y Z
- Between a lens holder and a reflector / heat sink
 - 23.5 x 53 x 41mm
 - 10 grams
 - Y axis
 - 5 - 9 mm
 - +/- 0.4mm

