



## Main

Range compatibility	Lexium ILA Lexium ILE Lexium ILS Lexium SD3 Lexium 32
Product or component type	Planetary gearbox
Gear box type	Straight teeth
Device short name	GBX
Product compatibility	BRS3 ILE ILS ILA BMH (70 mm, 1 motor stacks) BMH (70 mm, 2 motor stacks) BMH (70 mm, 3 motor stacks) BSH (55 mm, 1 motor stacks) BSH (55 mm, 2 motor stacks) BSH (55 mm, 3 motor stacks) BSH (70 mm, 1 motor stacks) BSH (70 mm, 2 motor stacks) BSH (70 mm, 3 motor stacks)
Gearbox external diameter	60 mm
Reduction ratio	3:1

## Complementary

Torsional backlash	< 10 arc.min
Torsional rigidity	2.3 N.m/arcmin
Housing colour	Black
Housing material	Black anodized aluminium
Shaft material	C 45
Additional information	Lubricated for life
Service life in hours	30000 h at 100 rpm at 30 °C
Mounting position	Any position
Efficiency	96 %
Maximum radial force Fr	340 N at 100 rpm, force applied at mid-distance from output shaft during 30000 hour at 30 °C
Maximum axial force Fa	450 N at 100 rpm, during 30000 hour at 30°C
Shaft moment of inertia	0.135 kg.cm <sup>2</sup>
Continuous output torque	28 N.m at 100 rpm at 30 °C
Maximum output torque	45 N.m at 100 rpm at 30 °C
Product weight	0.9 kg

## Environment

Noise level	58 dB at 1 m, no-load
IP degree of protection	IP54 on shaft output
Ambient air temperature for operation	-25...90 °C

## Offer Sustainability

Sustainable offer status	Green Premium product
RoHS	Compliant - since 1129 - Schneider Electric declaration of conformity

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Product environmental profile

Available

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Product end of life instructions

Need no specific recycling operations

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