



## Main

Range compatibility	Lexium ILA Lexium ILE Lexium ILS Lexium SD3 Lexium 32 Lexium 32i
Product or component type	Planetary gearbox
Gear box type	Straight teeth
Device short name	GBX
Product compatibility	BRS3 ILE ILS ILA BMI (70 mm, 2 motor stacks) BMI (70 mm, 3 motor stacks) BMH (70 mm, 1 motor stacks) BMH (70 mm, 2 motor stacks) BMH (70 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	80 mm
Reduction ratio	20:1

## Complementary

Torsional backlash	< 9 arc.min
Torsional rigidity	6.5 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	94 %
Maximum radial force Fr	650 N at 100 rpm, force applied at mid-distance from output shaft during 30000 hour at 30 °C
Maximum axial force Fa	1200 N at 100 rpm, during 30000 hour at 30°C
Shaft moment of inertia	0.44 kg.cm <sup>2</sup>
Continuous output torque	120 N.m at 100 rpm at 30 °C
Maximum output torque	192 N.m at 100 rpm at 30 °C
Product weight	2.6 kg

## Environment

Noise level	60 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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