SG2557-80PG-9.75B

24 VDC BLDC hub motor and planetary reduction | Source drawing: Rev A / 2024-05-21

PUBLIC SOURCE TRANSCRIPTION | Rev0.1 | 2026-11-19

This older, independent model must not be confused with the SG-2877 or SG-2878 product configurations. Current production availability and the revision-matched installation drawing have not been confirmed.

Source motor and output data

Nominal voltage	24 VDC
Motor rated current	< 3 A (drawing)
Motor rated speed	1,500 +/-10% rpm
Motor rated load	0.3 N.m
Motor locked-rotor current	< 8 A
Planetary reduction ratio	9.75:1
Output rated current	< 3 A (drawing)
Output rated speed	130 +/-10% rpm
Output rated torque	3 N.m
Source peak output torque	10 N.m (duration / duty limit not specified)
Ingress-protection note	IP66 requirement on original drawing; no independent certification supplied

Dimensional checklist - source dimensions only

Axial drawing reference	116.00 mm; not verified as full overall installed length
Additional axial segment	63 +/-0.1 mm
Front feature diameters	93 +/-0.10 mm; 80 +0/-0.15 mm
Rear reference diameter	84 +/-0.10 mm
Shaft / internal bore	16 -0.05/-0.12 mm / 10.50 mm
Shaft projection reference	28 +0/-0.2 mm
Wiring	3 motor phase leads + 6 Hall/sensor leads; lead length is customer-specific

Source: SG2557-80PG-9.75B hub reduction assembly drawing, Rev A, 2024-05-21. Technical notes also call for RoHS compliance and more than 72 h salt-spray appearance resistance; these are source requirements, not verified certificates.

This is not the original 2D drawing, a controlled manufacturing document, an approved mounting interface, or a verified STEP / Parasolid download. Confirm tolerances, mounting datum, shaft fit, current production status and peak-duty limit with SigGear engineering before design-in.

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