

# GIN-SAC4 FS

# Safe Servo Drives



- ➔ STO, SS1, SS2, SOS and SLS
- ➔ SIL 3, category 3 PL e
- ➔ Models with up to four monitored axes

Facts	
Motor voltage	Bis zu 565 V <sub>DC</sub>
Motor current per axis (Single / Dual)	GIN-SAC4×1: 13 A <sub>RMS</sub> GIN-SAC4×2: 14.5 A <sub>RMS</sub> / 29 A <sub>RMS</sub> GIN-SAC4×3: 10.5 A <sub>RMS</sub> / 21 A <sub>RMS</sub> GIN-SAC4×4: 8.5 A <sub>RMS</sub> / 17 A <sub>RMS</sub>
Peak motor current per axis	21 A <sub>RMS</sub> / 42 A <sub>RMS</sub>
Control frequency	Up to 32 kHz
Motor types	PM synchronous, linear
Feedback per axis	1 × Resolver 1 × SinCos / Incremental 1 × Incremental / EnDat / Hiperface / SSI / BiSS
Safe feedback monitoring	1 × Resolver / SinCos
Safe inputs	4 × Dual channel
Safe output	1 × Dual channel
Functional safety	STO, SS1, SS2, SOS, SLS according to EN 61800-5-2 SIL 3, EN ISO 13849-1 category 3 PL e
Interfaces	GinLink slave / GinLink master* Gigabit Ethernet RS232
CPU	ARM Cortex A9 single core 800 MHz / ARM Cortex A9 dual core 800 MHz*
Dimensions	(215 / 279 / 343 / 407) × 130 × 148 mm (h × w × d)

\* With PRO option

The Indel GIN-SAC4 series is the flexible solution for safe motor control. Models are available from one to four axes.

Integrated safety modules allow safe evaluation of resolvers and SinCos feedbacks. It is possible to define up to 8 safety levels with according safety functions. Those levels are selected at run time by the four safe inputs available.

If needed the motor current can be doubled by using two amplifiers in parallel. The integrated power supply allows for a direct connection to the 1 or 3 phase power grid.