

AX5702 | Encoder option cards for AX5000



i Product status: Regular delivery

The AX5000 Servo Drive series supports a large number of feedback interfaces via the multi-feedback interface:

- OCT (One Cable Technology)
- resolver (2-, 4-, 6- or 8-pole)
- SinCos encoder 1 V_{PP}
- single- and multi-turn encoder EnDat 2.1
- single- and multi-turn encoder EnDat 2.2 (order designation EnDat 02)
- single- and multi-turn encoder Hiperface 1 V_{PP}
- single- and multi-turn encoder BiSS 1 V_{PP}

Encoder option cards

The AX5000 servo drives can be equipped with encoder option cards for the integration of additional feedback systems. The option cards are inserted in the second option slot on the top of the AX5000; they offer the possibility to connect one or two further encoders, depending on the version. Usually, a second high-resolution encoder offers the possibility to eliminate the backlash of a mechanism or gear unit for high-precision position control.

Encoder option cards for AX51xx

- AX5701 | one additional encoder input
 - SinCos encoder 1 V_{PP}
 - single- and multi-turn encoder EnDat 2.1
 - single- and multi-turn encoder EnDat 2.2 (order designation EnDat 02)
 - single- and multi-turn encoder Hiperface 1 V_{PP}
 - single- and multi-turn encoder BiSS 1 V_{PP}

- AX5721 | one additional encoder input
 - EnDat 2.2
 - BiSS C

Encoder option cards for AX52xx

- AX5702 | two additional encoder inputs
 - SinCos encoder 1 V_{PP}
 - single- and multi-turn encoder EnDat 2.1
 - single- and multi-turn encoder EnDat 2.2 (order designation EnDat 02)
 - single- and multi-turn encoder Hiperface 1 V_{PP}
 - single- and multi-turn encoder BiSS 1 V_{PP}
- AX5722 | two additional encoder inputs
 - EnDat 2.2
 - BiSS C

Product information

Technical data

Technical data	AX5702
Function	encoder option card
Channels	2
Feedback	SinCos 1 V _{pp} , Resolver , EnDat 2.1 , Hiperface , BiSS B
Ambient temperature (operation)	0...+50 °C (see documentation)
Approvals/markings	CE, cULus, EAC

Housing data	AX51xx AX52xx
Protection rating	IP20