



AX5805-0000 | TwinSAFE drive option card

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Drive-integrated safety functions:

- stop functions (STO, SOS, SS1, SS2)
- speed functions (SLS, SSM, SSR, SMS) with up to 8 speeds
- position functions (SLP, SCA, SLI) with reference cams
- acceleration functions (SAR, SMA)
- rotating direction functions (SDIp, SDIn)

Suitable for AX5000 Servo Drives from 1.5 A to 40 A:

- AX5x01-0000-0200 and -0202
- AX5x03-0000-0200 and -0202
- AX5x06-0000-0200 and -0202
- AX5112-0000-0200 and -0202
- AX5118-0000-0200 and -0202
- AX5125-0000-0200 and -0202
- AX5140-0000-0200 and -0202

Technical data	AX5805-0000
Safety standard	EN ISO 13849-1:2006 (Cat. 4, PL e) and EN 61508:2010 (SIL 3)
Protocol	TwinSAFE/Safety over EtherCAT
Fault response time	≤ watchdog time (parameterisable)
Weight	approx. 75 g
Operating temperature	0...+50 °C
Environmental and operating conditions	see AX5000
Approvals	CE, UL, TÜV SÜD

Technical data	AX5xxx Options
AX5805-0000	TwinSAFE drive option card for AX5000 up to 40 A, HW 2.0: STO, SS1, SS2, SOS, SLS, SDI (1)

Further components	
AX51xx	Digital Compact Servo Drives (1-channel)
AX52xx	Digital Compact Servo Drives (2-channel)
EL6900	TwinSAFE Logic
KL6904	TwinSAFE Logic Bus Terminal
EK1960	TwinSAFE Compact Controller