SERAD AUTOMATION

MOTION CONTROL SOLUTIONS

Compact Brushless drive

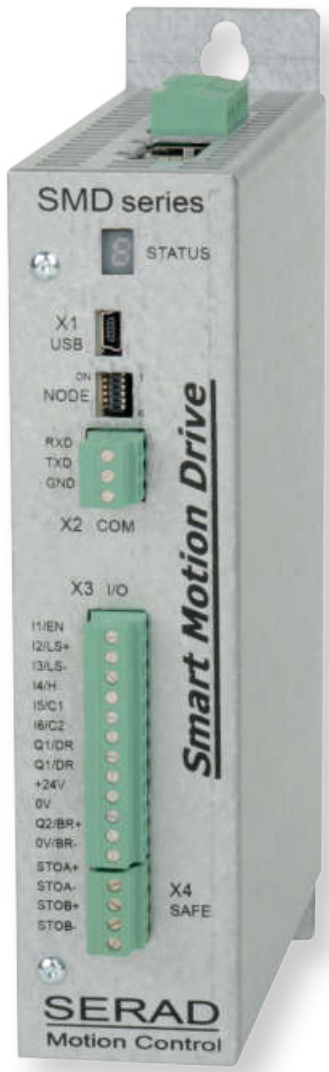
SMD230 Series

COMPACT SIZE

Deutsche Qualitäte

French Touch

China Price



COMMUNICATION

PROFINET INDUSTRIAL ETHERNET

EtherCAT

ETHERNET POWERLINK

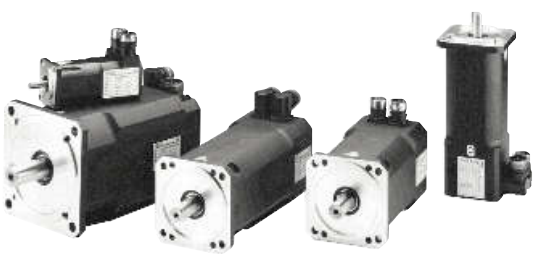
EtherNet/IP

TCP Modbus

CANopen

FEEDBACK

- Absolute Encoder 39 bits
- EnDAT 2.2 Encoder
- Biss C Encoder
- Incremental Encoder
- Resolver



SAFETY

- STO Category 4
- SIL3 / PL e

SIL 3 IEC61508

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SERAD AUTOMATION

TECHNICAL FEATURES

Features

Power supply	90 to 250 V AC single - Soft Start
Auxiliary supply	24 V DC ±10%
EMC Filter	Integrated
Brake resistor	Brake chopper integrated, External Brake resistor
Regulation loops	Current loop : 50µs, Speed loop : 50µs, Position loop : 100µs
Main feedback	Absolute Encoder 39 bits EnDat 2.2 Encoder Biss C Encoder Resolver Incremental Encoder + hall
Master feedback	Incremental encoder A, /A, B, /B, Z, /Z STEP/DIR
Communication	USB, RS 485 RTU Modbus Optional : EtherCAT, CANopen, TCP Modbus, PROFINET, Ethernet/IP, POWERLINK
Digital inputs	6 PNP (2 fast)
Digital outputs	1 relay output and 1 static output
Analogue input	1 channel 0..10 V - 12 bits
Safety	STO category 4 / SIL3 / PL e
Diagnostic	Status display 7 segments
Operating modes	Torque, speed or position mode
Temperatures	Storage -10 to 70°C / Operating -5 to 50°C

SMD range

	SMD 230 / 1	SMD 230 / 2	SMD 230 / 5
Nominal current	1,25 Arms	2,5 Arms	5 Arms
Peak current (2s)	3,75 Arms	7,5 Arms	10 Arms
Nominal power	400 VA	750 VA	1500 VA
Dimensions W x H x D mm	43 x 202 x 134	64 x 202 x 134	64 x 202 x 134
Weight	0.9 kg	1.2 kg	1.2 kg

Codification

Model	Voltage	Communication		Current	Feedback	Filter	Safety
SMD	**230** (1x230 Vac)	**E** EtherCAT	**L** POWERLINK	**01** (In=1,25A)	**S** Serial encoder	**0** No	**0** No
		C CANopen	**R** EtherNet/IP	**02** (In=2,5A)	**E** Endat 2.2 / Biss C	**1** EMC Filter	**1** STO
		S Stepper	**M** TCP Modbus	**05** I(n=5A)	**R** Resolver		
		P Profinet			**I** Incremental+hall		

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