



Main

Range of product	PacDrive 3
Product or component type	Motion controller

Complementary

Product compatibility	LMC300
Number of axis	8
Discrete input number	20 for digital input conforming to IEC 61131-2 Type 1 4 for interrupt input conforming to IEC 61131-2 Type 1 16 for touch probe input conforming to IEC 61131-2 Type 1
Discrete input voltage	0...6 V 20...33 V
Discrete input voltage type	DC
Analogue input number	2
Analogue input type	Voltage analog input: - 10...10 V Current analog input: - 20...20 mA
Analogue input resolution	12 bits
Discrete input current	5 mA for digital input 5 mA for interrupt input 5 mA for touch probe input
Input impedance	100000 Ohm for analog input 500 Ohm
Anti bounce filtering	1 ms or 5 ms configurable digital input 100 µs touch probe input 0.1 ms or 1 ms configurable interrupt input
Discrete output number	16 digital output 2 analog output
Discrete output current	250 mA for digital output
Maximum leakage current	0.4 mA
Maximum number of I/O expansion module	2
[Us] rated supply voltage	24 V DC

Power consumption in W	36 W
Memory type	512 MB RAM DDR2 128 kB NVRAM
Programming language	FBD (function block diagram) LD (ladder) IL (instruction list) SFC (sequential function chart) CFC (continuous function chart) ST (structured text)
Integrated connection type	2 Ethernet port, connector RJ45 for protocol Sercos 1 Ethernet port, connector RJ45 for protocol Ethernet 10/100BASE-T, FTP/HTTP 1 CAN port, connector SUB-D 9 for protocol CANopen 1 USB port, connector USB type A 2 Ethernet port, connector RJ45 for protocol RT-Ethernet (real-time) 1 Ethernet port, connector RJ45 for protocol PacNet 1 port, connector SUB-D 9 for protocol Profibus DP 1 COM1 serial link, connector SUB-D 9 for protocol RS232 1 COM2 serial link, connector SUB-D 9 for protocol RS422/RS485 1 port, connector SUB-D 9 for master encoder
Supply	Power supply: 24 VDC, <1 A
Width	100 mm
Height	310 mm
Depth	243 mm
Product weight	3.5 kg

Environment

Standards	UL 508C CSA C22.2 No 274 EN/IEC 61131-2 CSA C22.2 No 14
Product certifications	CE CSA EAC CULus
Ambient air temperature for operation	5...40 °C
Relative humidity	5...95 % without condensation
IP degree of protection	IP20 conforming to EN/IEC 60529
Pollution degree	2 conforming to IEC 61131-2
Vibration resistance	3.5 mm at 5...8.4 Hz 10 m/s² at 8.4...150 Hz
Shock resistance	150 m/s² for 6 ms (operation) conforming to EN/IEC 60721-3-3

Offer Sustainability

Sustainable offer status	Green Premium product
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information

Contractual warranty

Warranty	18 months
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