



Commercial status

Discontinued: 31 December 2018

has not been replaced. Please contact your customer care center for more information.

⚠ Restricted Sales for Services

Main

Range of product	Modicon Premium Automation platform
Product or component type	Electronic cam module
Number of cams	128
Number of tracks	32
Function of module	Position, monostable, brake Switching feedforward Measurement capture Parts counter Elimination of axis backflash Generation of events Position recalibration
I/O modularity	1 axis
Electrical circuit type	Auxiliary input positive conforming to EN/IEC 61131 type 1 Incremental encoder with 10...30 V positive or negative Incremental encoder with RS422 differential

Complementary

Clock frequency	200 kHz SSI absolute encoder
Incremental encoder frequency x1	500 kHz
Incremental encoder frequency x 4	250 kHz
Power dissipation in W	7 W
Maximum output refresh cycle	100 µs 32 200 µs 128 50 µs 16
Input compatibility	Absolute encoder parallel output ABE7CPA11 Absolute encoder SSI serial output Incremental encoder 10...30 V totem pole Incremental encoder 5 V DC RS422/485 line emitter
Input voltage	24 V encoder with 10...30 V 24 V auxiliary input
Input current	10 mA for RS422 15.5 mA for encoder with 10...30 V 8 mA for auxiliary input
Input voltage limits	<= 5.5 V RS422 19...30 V encoder with 10...30 V 19...30 V auxiliary input
Voltage state 1 guaranteed	> 3 V for RS422 ≥ 11 V for encoder with 10...30 V

	>= 11 V for auxiliary input
Current state 1 guaranteed	>= 5 mA (encoder with 10...30 V) >= 5.8 mA (RS422) >= 3 mA (auxiliary input)
Voltage state 0 guaranteed	< 5 V for encoder with 10...30 V <= -3 V for RS422 < 5 V for auxiliary input
Current state 0 guaranteed	<= 2 mA (encoder with 10...30 V) <= -5.8 mA (RS422) <= 1.5 mA (auxiliary input)
Response time	< 100 µs for auxiliary input
Input impedance	Encoder with 10...30 V: 1500 Ohm for nominal U Auxiliary input: 3000 Ohm for nominal U
Output type	Track output conforming to EN/IEC 61131-2
Output voltage	24 V DC
Nominal output current	0.5 A
Rated current	<= 12 A per module <= 6 A per connector <= 0.6 A per output
Output voltage limits	19...30 V
Output compatibility	Positive logic DC inputs (resistance <= 15 kOhm)
Maximum tungsten load	10 W
Switching frequency	< 0.6/LI ² inductive load
Preactuator voltage detection threshold	< 14 V fault state > 18 V OK state
Output overload protection	Thermal circuit breaker Current limiter
Output short-circuit protection	Current limiter Thermal circuit breaker
Output overvoltage protection	Zener diode
Reverse polarity protection	Reverse diode on power supply
Checks	Monitoring peactuator power supply
Local signalling	1 LED (green)channel diagnostics operative (CH0): 1 LED (green)processor running (RUN): 1 LED (red)I/O module or configuration fault (I/O): 1 LED (red)processor or system fault (ERR):
Electrical connection	1 connector HE-10 with 20 pins for connecting the auxiliary inputs and the encoder power supply 1 connector HE-10 with 20 pins for connecting the track outputs on group 0 and 1 1 connector HE-10 with 20 pins for connecting the track outputs on group 2 and 3 1 connector SUB-D 15 for connecting incremental or absolute encoder
Current consumption	660 mA at 5 V DC 15 mA at 24 V DC
Module format	Standard
Net weight	0.48 kg

Environment

Electromagnetic discharge time	< L/R s
Protective treatment	TC
Ambient air temperature for operation	0...60 °C
Ambient air temperature for storage	-25...70 °C
Relative humidity	10...95 % without condensation for operation 5...95 % without condensation for storage
Operating altitude	0...2000 m

Contractual warranty

Warranty	18 months
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