

H4-CTRIO Cut Sheet



DirectLOGIC DL405 pulse combo module, 100 kHz maximum switching frequency, 8 high-speed input point(s), sinking/sourcing, single-ended encoder input(s), 4 high-speed output point(s), sinking/sourcing, single-ended output(s).

For complete product information, please see this item on our store at the following link:



<https://www.automationdirect.com/pn/H4-CTRIO>

Technical Specifications

Brand	DirectLOGIC
Item	Combo module
I/O Module Type	Pulse
Series	DL405
Maximum Switching Frequency	100 kHz
Number of High-Speed Capable Input Points	8
Nominal Input Voltage	12-24 VDC
Discrete Input Type	Sinking/sourcing
Number of Isolated Input Commons	2
Number of Input Channels	2
Encoder Input Type	push-pull (totem)
Number of High-Speed Capable Output Points	4
Nominal Output Voltage	6-24 VDC
Discrete Output Type	Sinking/sourcing
Number of Isolated Output Commons	4
Load Current	1A/point
Number of Output Channels	2
Pulse Output Channel Type	<ul style="list-style-type: none">• NPN open collector• PNP open collector• push-pull (totem)

High-Speed Counter(s)	up to (4) up counters, up to (4) down counters, up to (4) up/down counters, up to (2) quadrature (A and B) counters
Position Scaling	up to (4) up counters, up to (4) down counters, up to (4) up/down counters, up to (2) quadrature (A and B) counters
Interval Measurement	up to (4) single input (edge) timers, up to (4) dual input (dual edge) timers
Duration Measurement	up to (4) single input (edge) timers
Frequency Measurement	up to (4) up counters, up to (4) down counters, up to (4) up/down counters, up to (2) quadrature (A and B) counters
Output Pulse Mode(s)	up to (2) PTO linear step/direction outputs, up to (2) PTO rotary clockwise/counter-clockwise (CW/CCW) outputs
Axis Profile(s)	relative/absolute positioning, velocity mode, trapezoid, S-curve, homing, jogging
Programming Software	DirectSOFT programming software v4.0 or later

Agency Approvals

UL Listed File #	E185989
UL Recognized File #	None
UL Hazardous File #	None
CE	None
RoHS Status	No
EU REACH	View EU REACH document