

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)	<ul style="list-style-type: none">• 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	<ul style="list-style-type: none">• 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	<ul style="list-style-type: none">• 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	<ul style="list-style-type: none">• 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)	<ul style="list-style-type: none">• up to (2) PTO linear step/direction outputs• up to (2) PTO rotary clockwise/counter-clockwise (CW/CCW) outputs
Axis Profile(s)	<ul style="list-style-type: none">• 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

Dimensional Drawings



2D Drawing PDF Link:
<https://cdn.automationdirect.com/static/drawings/H4-CTRIO.pdf>
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