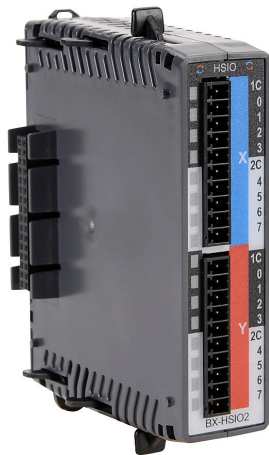


# BX-HSIO2 Cut Sheet



BRX pulse combo module, 250 kHz maximum switching frequency, 8 high-speed input point(s), sinking/sourcing, single-ended encoder input(s), 8 high-speed output point(s), 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/BX-HSIO2>

## Technical Specifications

<b>Brand</b>	BRX
<b>Item</b>	Combo module
<b>I/O Module Type</b>	Pulse
<b>Maximum Switching Frequency</b>	250 kHz
<b>Number of High-Speed Capable Input Points</b>	8
<b>Nominal Input Voltage</b>	12-24 VDC
<b>Discrete Input Type</b>	Sinking/sourcing
<b>Number of Non-Isolated Input Commons</b>	2
<b>Number of Isolated Input Commons</b>	2
<b>Number of Input Channels</b>	8
<b>Encoder Input Type</b>	push-pull (totem)
<b>Number of High-Speed Capable Output Points</b>	8
<b>Nominal Output Voltage</b>	12-24 VDC
<b>Discrete Output Type</b>	Sourcing
<b>Number of Non-Isolated Output Commons</b>	2
<b>Number of Isolated Output Commons</b>	2
<b>Load Current</b>	0.5A/point
<b>Number of Output Channels</b>	8
<b>Pulse Output Channel Type</b>	<ul style="list-style-type: none"> <li>• NPN open collector</li> <li>• PNP open collector</li> <li>• push-pull (totem)</li> </ul>
<b>High-Speed Counter(s)</b>	<ul style="list-style-type: none"> <li>• up to (4) up counters</li> <li>• up to (4) down counters</li> <li>• up to (4) up/down counters</li> <li>• up to (4) pulse/direction (bi-directional) counters</li> <li>• up to (4) quadrature (A and B) counters</li> <li>• up to (4) quadrature (A and B with Z) counters</li> </ul>

<b>Position Scaling</b>	up to (4) up counters, up to (4) down counters, up to (4) up/down counters, up to (4) pulse/direction (bi-directional) counters, up to (4) quadrature (A and B) counters, up to (4) quadrature (A and B with Z) counters
<b>Interval Measurement</b>	up to (4) single input (edge) timers, up to (4) dual input (dual edge) timers
<b>Duration Measurement</b>	up to (4) single input (edge) timers
<b>Frequency Measurement</b>	up to (4) single input up counters, up to (4) single input down counters, up to (4) pulse/direction (bi-directional) counters, up to (4) quadrature input (A and B) counters, up to (4) quadrature (A and B with Z) counters, up to (4) edge timers interval scaling, up to (4) dual edge timers interval scaling
<b>Interrupt(s)</b>	up to (4) input interrupts, up to (4) timer interrupts, up to (4) match register interrupts
<b>Table-Driven Input(s)</b>	up to (4) programmable limit switches, up to (4) preset tables
<b>Output Pulse Mode(s)</b>	up to (4) virtual axes, up to (3) PTO linear step/direction outputs, up to (3) PTO rotary clockwise/counter-clockwise (CW/CCW) outputs, up to (3) PTO quadrature (A and B) outputs, up to (4) PWM pulse width modulation outputs
<b>Axis Profile(s)</b>	relative/absolute positioning, velocity mode, trapezoid, jerk, registration, homing, jogging, electronic gearing, camming, linear mode, rotary mode, motion sequence
<b>Requires</b>	BX-RTB10, BX-RTB10-1 or BX-RTB10-2 terminal block kit

# BX-HSIO2 Cut Sheet

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<b>Programming Software</b>	Do-more Designer programming software v2.5 or later
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## Agency Approvals

<b>UL Listed File #</b>	E185989
<b>UL Recognized File #</b>	None
<b>UL Hazardous File #</b>	None
<b>CE</b>	<a href="#">View CE declarations</a>
<b>CSA File #</b>	None
<b>RoHS Status</b>	Yes (See CE Doc)
<b>EU REACH</b>	<a href="#">View EU REACH document</a>