

# Quantum Automation Platform

Hot standby modules

Characteristics

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<b>Model</b>		<b>140 CHS 110 00</b>
<b>Comm ports</b>		2 connectors (transmit and receive) for fiber optic link
<b>RFI immunity</b> (per IEC 801-3)	<b>MHz</b>	27...1000, 10 V/m
<b>Bus current</b>	<b>mA</b>	700 (typical)
<b>Electrostatic discharge</b> (per IEC 801-2)	<b>kV</b>	8 air, 4 contact
<b>Compatibility</b>		
Software		ProWORX NxT 2.0 or Concept Version 2.0 and higher
Quantum CPUs		Version 2.0 or higher
<b>Input/output type</b>		Quantum, 800 Series, and Sy/Max (remote I/O only)
<b>Fiber optic ports</b>		1 Transmit 1 Receive
<b>Programming software</b>		Concept V2.0 or ProWORX NxT 2.0
<b>Quantum controllers</b>		All, 984 ladder logic; IEC, 140 CPU 434 12A and 140 CPU 534 14A
<b>CHS loadable software requirements</b>		Version 2.0 minimum
<b>Loadable function block performance</b>		CHS block (Included with kit)
<b>Switchover time</b>	<b>ms</b>	13 to 48 for hot standby to assume control after primary fault detected
<b>Scan impact communications</b>	<b>ms</b>	3 + 6 per kB of configured state RAM
<b>CHS communications rate</b>		10 megabaud
<b>Cable between Quantum systems</b>	<b>m</b>	3 fiber optic
<b>Current requirements</b>	<b>mA</b>	700