Switch/VCT guide

Solid state switches/sensors			
Platform	**Function**	**Electrical**	**Application**
Axiom AN pg. 12 **Axiom AX** pg. 22 	**33** (2) SST NO switching (SPST) *Axiom AX only*	0.1 amp @ 125 VAC/125 VDC	AC & DC computer inputs
	35 (2) SST NO switching (SPST)	0.1 amp @ 125 VAC/125 VDC; 0.1 amp @ 250 VAC/VDC	AC & DC computer inputs (global)
	44 (2) NAMUR sensors (EN 60947-5-6) *Axiom AX only*	I < 1 mA to I > 2.1 mA @ 7 - 24 VDC	Intrinsically safe repeater barrier input
	45 (2) NAMUR sensors (EN 60947-5-6) *Axiom AN only*	I < 1 mA to I > 2.1 mA @ 5 - 25 VDC	Intrinsically safe repeater barrier input
Eclipse pg. 34 **Quartz** pg. 42 **Prism PI** pg. 57 	**33** (2) SST NO switching *Eclipse and Prism PI only*	0.1 amp @ 125 VAC or 24 VDC	AC & DC computer inputs
	35 (2) SST NO switching *Quartz only*	0.1 amp @ 20 - 250 VAC or 8 - 250 VDC	AC & DC computer inputs (global)
	44 (2) NAMUR sensors (EN 60947-5-6) *Eclipse only*	I < 1 mA to I > 3 mA @ 5 - 25 VDC	Intrinsically safe repeater barrier input
	45 (2) NAMUR sensors (EN 60947-5-6) *Quartz and Prism PI only*	I < 1 mA to I > 3 mA @ 5 - 25 VDC	Intrinsically safe repeater barrier input
Hawkeye HK pg. 67 	**30** (1) SST NO switching	0.1 amp @ 125 VAC or 24 VDC	AC & DC computer inputs
	40 (1) NAMUR (EN 60947-5-6)	I < 1 mA to I > 3 mA @ 5 - 25 VDC	Intrinsically safe repeater barrier input
	50 DC 3-wire PNP	6 - 28 VDC, 200 mA	Foundation Fieldbus I/O inputs
Hawkeye HX pg. 69 	**35** (1) SST NO switching	0.1 amp @ 20 - 250 VAC or 8 - 250 VDC	AC & DC computer inputs (global)
	45 (1) NAMUR (EN 60947-5-6)	I < 1 mA to I > 3 mA @ 5 - 29 VDC	Intrinsically safe repeater barrier input

Valve Communication Terminals VCTs			
Platform	**Function**	**Electrical**	**Application**
Axiom AN pg. 12 **Axiom AX** pg. 23 **Eclipse** pg. 34 **Quartz** pg. 43 **Prism PI** pg. 57  	**71D** HART *Axiom AX only*	4-20 mA, 14 - 35 VDC feedback HART overlay	4-20 with HART diagnostics
	80 Expeditor *Axiom AX and Prism PI only*	4-20 mA, 9 - 30 VDC feedback 4-20 mA, 9 - 30 VDC control input	Intermediate position control
	81 Expeditor *Prism PI only*	4-20 mA, 9 - 30 VDC feedback 4-20 mA, 9 - 30 VDC control input	Intermediate position control
	92 DeviceNet™ *All platforms*	2 DI & 2 DO, 1 AI auxiliary	4-wire network with 62 devices/segment, optional Wireless Link
	93 Foundation Fieldbus *Axiom AX and Quartz only*	2 DI & 2 DO (bus powered outputs)	2-wire intrinsically safe, low power network
	96 AS-Interface *All platforms*	2 DI & 2 DO, 2 DI auxiliary	2-wire discrete bus network (31 devices/network), optional Wireless Link
	97 AS-Interface (extended addressing) *All platforms*	2 DI & 1 DO, 2 DI auxiliary	2-wire discrete bus network (62 devices/network), optional Wireless Link

Quartz switches/sensors			
Type	**Function**	**Electrical**	**Application**
Maxx-Guard (hermetically sealed proximity switches) pg. 44 	G SPDT (rhodium contacts)	0.20 amp @ 120 VAC; 0.30 amp @ 24 VDC	Computer input for AC & DC circuits
	H SPDT (tungsten contacts)	240 volts max; 3 amp max 100 watts max; 2.0 watts min	High power switching
	J SPST passive (ruthenium contacts)	0.10 amp @ 10 - 30 VDC	Intrinsically safe passive switching input
	M SPDT; passive (rhodium contacts)	0.10 amp @ 10 - 30 VDC	Intrinsically safe passive switching input
	P SPST (ruthenium contacts)	0.15 amp @ 125 VAC/30 VDC	Computer input for AC & DC circuits
	S SPDT (LED); (rhodium contacts)	0.10 amp @ 120 VAC; 0.10 amp @ 24 VDC	Computer input for AC & DC circuits
Mechanical pg. 45  	V SPDT silver contacts	10 amp @ 125/250 VAC; 0.5 amp @ 125 VDC	High power switching and AC computer inputs
	W SPDT gold contact	1.0 amp @ 125 VAC; 0.5 amp @ 30 VDC	AC & DC computer inputs; intrinsically safe; limited life
	14 (2) DPDT switches	4.5 amp @ 125/250 VAC	High power switching and AC computer inputs
Other sensors pg. 45	N P+F NAMUR sensors (EN 60947-5-6) NJ2-V3-N	I<1 mA to I>3 mA @ 6 - 29 VDC	Intrinsically safe repeater barrier input
	F P+F 3-wire PNP sourcing sensor NBB2-V3-E2-V5	0.10 amp @ 10 - 30 VDC	Special solid state, no leakage current
	X SST NO switching (LED)	0.10 amp @ 125 VAC or 24 VDC	AC & DC computer inputs
Position transmitter pg. 41  	5 Standard	4-20 mA @ 10 - 40 VDC	Standard analog feedback
	7 High performance	4-20 mA @ 10 - 40 VDC	Long life analog feedback with high vibration tolerance
	T Digital	4-20 mA @ 10 - 40 VDC	Non-contact magnetic sensor with push button calibration and outstanding vibration tolerance