

## 3.15 PSCA Serial Communications Module

The following I/O pack and terminal board combinations are approved for use in hazardous locations:

- Serial communication I/O pack **IS220PSCAH1A** or **IS220PSCAH1B** with accessory terminal board **IS200SSCAH1A** or **IS200SSCAH2A**
- Coated serial communication I/O pack **IS221PSCAH1B** with accessory terminal board **IS201SSCAH1A** or **IS201SSCAH2A**
- Serial communication I/O pack **IS42yPSCAH1B** with accessory terminal board **IS40ySSCAH1A** or **IS40ySSCAH2A** (where y = 0 or 1)

### 3.15.1 Electrical Ratings

#### Power Supply

Item	Min	Nominal	Max	Units
Voltage	PSCAH1B: 22.5 PSCAH1A: 27.4	PSCAH1B: 24.0 / 28.0 PSCAH1A: 28.0	28.6	V
Current	—	—	0.36	A

### 3.15.2 Field Wire Connections

For serial communication terminal boards (accessories) certified for HazLoc, refer to the table [Euro Style Box-type Terminal Blocks](#) for wire size and screw torques.

**Mark VIe I/O Modules Classified Location Certifications (continued)**

<b>Equipment</b>	<b>Non-hazardous</b>	<b>Class I, Division 2, Groups A, B, C, D</b>	<b>Class I, Zone 2, Group IIC</b>	<b>ATEX Zone 2, Group IIC</b>
IS220PRTDH1B Accessories: IS200TRTDH2D IS200SRTDH1A IS200SRTDH2A	UL E207685	UL E207685	UL E207685	UL DEMKO 13 ATEX 1214780X
IS221PRTDH1B Accessories: IS201TRTDH2D IS201SRTDH1A IS201SRTDH2A	UL E207685	UL E207685	UL E207685	UL DEMKO 13 ATEX 1214780X
IS220PSCAH1A Accessories: IS200SSCAH1A IS200SSCAH2A	UL E207685	UL E207685	UL E207685	UL DEMKO 12 ATEX 1114875X
IS220PSCAH1B Accessories: IS200SSCAH1A IS200SSCAH2A	UL E207685	UL E207685	UL E207685	UL DEMKO 13 ATEX 1214780X
IS221PSCAH1B Accessories: IS201SSCAH1A IS201SSCAH2A	UL E207685	UL E207685	UL E207685	UL DEMKO 13 ATEX 1214780X
IS42yPSCAH1B Accessories: IS40ySSCAH1A IS40ySSCAH2A	UL E207685	UL E207685	UL E207685	UL DEMKO 13 ATEX 1214780X
IS220PSVOH1A Accessories: IS200TSVCH2A IS210WSVOH1A	UL E207685	UL E207685	UL E207685	UL DEMKO 12 ATEX 1114875X
IS220PSVOH1B Accessories: IS200TSVCH2A IS210WSVOH1A IS410WSVOH1A	UL E207685	UL E207685	UL E207685	UL DEMKO 13 ATEX 1214780X

**Mark VIe I/O Modules Classified Location Standards (continued)**

<b>Equipment</b>	<b>Non-hazardous</b>	<b>Class I, Division 2, Groups A, B, C, D</b>	<b>Class I, Zone 2, Group IIC</b>	<b>ATEX Zone 2, Group IIC</b>
IS220PRTDH1B Accessories: IS200TRTDH2D IS200SRTDH1A IS200SRTDH2A	UL 508 Ed. 17 CSA-C22.2 No. 142-M1987	ANSI/ISA-12.12.01-2015 CAN/CSA-C22.2 No. 213-15	UL 60079-0 Ed. 5 UL 60079-15 Ed. 3 CAN/CSA-C22.2 No. 60079-0:11 CAN/CSA-C22.2 No. 60079-15:12	EN 60079-0:2012 EN 60079-11:2012 EN 60079-15:2010
IS221PRTDH1B Accessories: IS201TRTDH2D IS201SRTDH1A IS201SRTDH2A	UL 508 Ed. 17 CSA-C22.2 No. 142-M1987	ANSI/ISA-12.12.01-2015 CAN/CSA-C22.2 No. 213-15	UL 60079-0 Ed. 5 UL 60079-15 Ed. 3 CAN/CSA-C22.2 No. 60079-0:11 CAN/CSA-C22.2 No. 60079-15:12	EN 60079-0:2012 EN 60079-11:2012 EN 60079-15:2010
IS220PSCAH1A Accessories: IS200SSCAH1A IS200SSCAH2A	UL 508 Ed. 17 CSA-C22.2 No. 142-M1987	ANSI/ISA-12.12.01-2015 CAN/CSA-C22.2 No. 213-15	UL 60079-0 Ed. 5 UL 60079-15 Ed. 3 CAN/CSA-C22.2 No. 60079-0:11 CAN/CSA-C22.2 No. 60079-15:12	EN 60079-0:2012 EN 60079-15:2010
IS220PSCAH1B Accessories: IS200SSCAH1A IS200SSCAH2A	UL 508 Ed. 17 CSA-C22.2 No. 142-M1987	ANSI/ISA-12.12.01-2015 CAN/CSA-C22.2 No. 213-15	UL 60079-0 Ed. 5 UL 60079-15 Ed. 3 CAN/CSA-C22.2 No. 60079-0:11 CAN/CSA-C22.2 No. 60079-15:12	EN 60079-0:2012 EN 60079-15:2010
IS221PSCAH1B Accessories: IS201SSCAH1A IS201SSCAH2A	UL 508 Ed. 17 CSA-C22.2 No. 142-M1987	ANSI/ISA-12.12.01-2015 CAN/CSA-C22.2 No. 213-15	UL 60079-0 Ed. 5 UL 60079-15 Ed. 3 CAN/CSA-C22.2 No. 60079-0:11 CAN/CSA-C22.2 No. 60079-15:12	EN 60079-0:2012 EN 60079-15:2010
IS42yPSCAH1B Accessories: IS40ySSCAH1A IS40ySSCAH2A	UL 508 Ed. 17 CSA-C22.2 No. 142-M1987	ANSI/ISA-12.12.01-2015 CAN/CSA-C22.2 No. 213-15	UL 60079-0 Ed. 5 UL 60079-15 Ed. 3 CAN/CSA-C22.2 No. 60079-0:11 CAN/CSA-C22.2 No. 60079-15:12	EN 60079-0:2012 EN 60079-15:2010
IS220PSVOH1A Accessories: IS200TSVCH2A IS210WSVOH1A	UL 508 Ed. 17 CSA-C22.2 No. 142-M1987	ANSI/ISA-12.12.01-2015 CAN/CSA-C22.2 No. 213-15	UL 60079-0 Ed. 5 UL 60079-15 Ed. 3 CAN/CSA-C22.2 No. 60079-0:11 CAN/CSA-C22.2 No. 60079-15:12	EN 60079-0:2012 EN 60079-11:2012 EN 60079-15:2010
IS220PSVOH1B Accessories: IS200TSVCH2A IS210WSVOH1A IS410WSVOH1A	UL 508 Ed. 17 CSA-C22.2 No. 142-M1987	ANSI/ISA-12.12.01-2015 CAN/CSA-C22.2 No. 213-15	UL 60079-0 Ed. 5 UL 60079-15 Ed. 3 CAN/CSA-C22.2 No. 60079-0:11 CAN/CSA-C22.2 No. 60079-15:12	EN 60079-0:2012 EN 60079-11:2012 EN 60079-15:2010

**Mark VIe I/O Modules Equipment Markings (continued)**

<b>Equipment</b>	<b>US &amp; CAN Class I Div 2</b>	<b>US &amp; CAN Class I Zone 2</b>	<b>ATEX Zone 2</b>
IS220PRTDH1A Accessories: IS200TRTDH2D IS200SRTDH1A IS200SRTDH2A	Class I, Div 2, Groups A, B, C, D, T4	Class I, Zone 2, AEx nA [nC] IIC T4, Ex nA [nL] IIC T4 Gc X	Ex nA [ic] IIC T4 Gc
IS220PRTDH1B Accessories: IS200TRTDH2D IS200SRTDH1A IS200SRTDH2A	Class I, Div 2, Groups A, B, C, D, T4	Class I, Zone 2, AEx nA [nC] IIC T4, Ex nA [nL] IIC T4 Gc X	Ex nA [ic] IIC T4 Gc
IS221PRTDH1B Accessories: IS201TRTDH2D IS201SRTDH1A IS201SRTDH2A	Class I, Div 2, Groups A, B, C, D, T4	Class I, Zone 2, AEx nA [nC] IIC T4, Ex nA [nL] IIC T4 Gc X	Ex nA [ic] IIC T4 Gc
IS220PSCAH1A Accessories: IS200SSCAH1A IS200SSCAH2A	Class I, Div 2, Groups A, B, C, D, T4	Class I, Zone 2, AEx nA IIC T4, Ex nA IIC T4 Gc X	Ex nA IIC T4 Gc
IS220PSCAH1B Accessories: IS200SSCAH1A IS200SSCAH2A	Class I, Div 2, Groups A, B, C, D, T4	Class I, Zone 2, AEx nA IIC T4, Ex nA IIC T4 Gc X	Ex nA IIC T4 Gc
IS221PSCAH1B Accessories: IS201SSCAH1A IS201SSCAH2A	Class I, Div 2, Groups A, B, C, D, T4	Class I, Zone 2, AEx nA IIC T4, Ex nA IIC T4 Gc X	Ex nA IIC T4 Gc
IS42yPSCAH1B Accessories: IS40ySSCAH1A IS40ySSCAH2A	Class I, Div 2, Groups A, B, C, D, T4	Class I, Zone 2, AEx nA IIC T4, Ex nA IIC T4 Gc X	Ex nA IIC T4 Gc
IS220PSVOH1A Accessories: IS200TSVCH2A IS210WSVOH1A	Class I, Div 2, Groups A, B, C, D, T4	Class I, Zone 2, AEx nA nC IIC T4, Ex nA nL IIC T4 Gc X	Ex ic nA IIC T4 Gc

# Appendix D Ambient Temperature Ratings

**Note** In the following tables, **y** = 0 or 1 for module part numbers.

**Ambient Temperature Ratings**

GE Part Number	Ambient Temperature Rating
IS200JPDLG1A	-30 to + 65 °C (-22 to +149 °F)
IS210BAPAH1A	
IS220PAICH1A	
IS220PAOCH1B	
IS220PCLAH1A	
IS220PCLAH1B	
IS220PDIAH1A	
IS220PDIIH1B	
IS220PDIOH1A	
IS220PDIOH1B	
IS220PDOAH1A	
IS220PHRAH1A	
IS220PHRAH1B	
IS220PPDAH1A	
IS220PPRAH1A	
IS220PPRAS1A	
IS220PPRAS1B	
IS220PPROH1A	
IS220PPROS1B	
IS220PRTDH1A	
IS220PRTDH1B	
IS220PSCAH1A	
IS220PSCAH1B	
IS220PSCHH1A	
IS220PSVOH1A	
IS220PSVOH1B	
IS220PTCCH1A	
IS220PTCCH1B	
IS220PTURH1A	
IS220PTURH1B	
IS220PVIBH1A	
IS220YAICS1A	
IS220YDIAS1A	
IS220YDOAS1A	
IS220YHRAS1A	
IS220YPROS1A	
IS220YSILS1A	
IS220YSILS1B	
IS220YTCCS1A	
IS220YTURS1A	
IS220YVIBS1A	
IS221PHRAH1B	