

3.12 PPRF PROFIBUS® Master Gateway Module

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

- Analog output pack **IS220PPRFH1A** or **IS220PPRFH1B**
with accessory ID board **IS200SPIDG1A**

3.12.1 Electrical Ratings

Power Supply

Item	Min	Nominal	Max	Units
Voltage	27.4	28.0	28.6	V dc
Current	—	—	0.18	A dc

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

Equipment	Non-hazardous	Class I, Division 2, Groups A, B, C, D	Class I, Zone 2, Group IIC	ATEX Zone 2, Group IIC
IS220PPRAS1A Accessories: IS200TREAS1A IS200WREAS1A	UL E207685	UL E207685	UL E207685	UL DEMKO 12 ATEX 1114875X
IS220PPRAS1B Accessories: IS200TREAS1A IS200WREAS1A	UL E207685	UL E207685	UL E207685	UL DEMKO 13 ATEX 1214780X
IS220PPRFH1A Accessories: IS200SPIDG1A	UL E207685	UL E207685	UL E207685	UL DEMKO 12 ATEX 1114875X
IS220PPRFH1B Accessories: IS200SPIDG1A	UL E207685	UL E207685	UL E207685	UL DEMKO 13 ATEX 1214780X
IS220PPROH1A Accessories: IS200SPROH1A IS200SPROH2A IS200TPROH1C IS200TPROH2C IS200TREATH1A IS200TREATH3A	UL E207685	UL E207685	UL E207685	UL DEMKO 12 ATEX 1114875X
IS220PPROS1B Accessories: IS200SPROH1A IS200SPROH2A IS200TPROH1C IS200TPROH2C	UL E207685	UL E207685	UL E207685	UL DEMKO 13 ATEX 1214780X
IS220PRTDH1A Accessories: IS200TRTDH2D IS200SRTDH1A IS200SRTDH2A	UL E207685	UL E207685	UL E207685	UL DEMKO 12 ATEX 1114875X

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

Equipment	Non-hazardous	Class I, Division 2, Groups A, B, C, D	Class I, Zone 2, Group IIC	ATEX Zone 2, Group IIC
IS220PPRFH1A Accessories: IS200SPIDG1A	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
IS220PPRFH1B Accessories: IS200SPIDG1A	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
IS220PPROH1A Accessories: IS200SPROH1A IS200SPROH2A IS200TPROH1C IS200TPROH2C IS200TREATH1A IS200TREATH3A	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
IS220PPROS1B Accessories: IS200SPROH1A IS200SPROH2A IS200TPROH1C IS200TPROH2C IS200TPROS1C IS200TPROS2C IS200TREATH1A IS200TREATH3A	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
IS220PRTDH1A 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

Mark Vle I/O Modules Equipment Markings (continued)

Equipment	US & CAN Class I Div 2	US & CAN Class I Zone 2	ATEX Zone 2
IS220PPRAH1A Accessories: IS200TREA H1A IS200WREAH1A IS220PPRAS1A Accessories: IS200TREAS1A IS200WREAS1A	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
IS220PPRAS1B Accessories: IS200TREAS1A IS200WREAS1A	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
IS220PPRFH1A Accessories: IS200SPIDG1A IS220PPRFH1B Accessories: IS200SPIDG1A	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
IS220PPROH1A Accessories: IS200SPROH1A IS200SPROH2A IS200TPROH1C IS200TPROH2C IS200TREA H1A IS200TREA H3A IS220PPROS1B Accessories: IS200SPROH1A IS200SPROH2A IS200TPROH1C IS200TPROH2C	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
IS200TREA H1A IS200TREA H3A	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

Ambient Temperature Ratings (continued)

GE Part Number	Ambient Temperature Rating
IS221PRTDH1B	-30 to + 65 °C (-22 to +149 °F)
IS221PSCAH1B	
IS420PPNGH1A	
IS420UCSBH1A	
IS420UCSBH4A	
IS420UCSBS1A	
IS421UCSBH1A	
IS421UCSBH4A	
IS421UCSBS1A	
IS220PCNOH1A	-20 to +55 °C (-4 to +131 °F)
IS220PCNOH1B	
IS220PPRFH1A	
IS220PPRFH1B	
IS220UCSAH1A	0 to 65 °C (32 to 149 °F)
IS420UCSBH3A	
IS41yBAPBH1A	-40 to +70 °C (-40 to 158 °F)
IS41yJPDDG1A	
IS41yJPDDG2A	
IS41yJPDDG3A	
IS41yJPDDG4A	
IS41yJPDEG1A	
IS210JPDHG1A	
IS400JPDHG1A	
IS410JPDHG1A	
IS411JPDHG1A	
ISx2yPAICH1B	
ISx2yPDIAH1B	
ISx2yPDOAH1B	
ISx2yPPDAH1B	
IS42yPSCAH1B	
IS42yPVIBH1B	
IS42yPUAAH1A	
ISx2yYAICS1B	
ISx2yYDIAS1B	
ISx2yYDOAS1B	
IS42yYUAS1A	
IS42yYVIBS1B	
IS42yESWAH1A	
IS42yESWAH2A	
IS42yESWAH3A	
IS42yESWAH4A	
IS42yESWAH5A	
IS42yESWBH1A	
IS42yESWBH2A	
IS42yESWBH3A	