

4.4 JPDH High Density Power Distribution

The IS210JPDHG1A, IS410JPDHG1A, and IS411JPDHG1A (coated) 28 V dc power distribution modules are approved for use in hazardous locations.

4.4.1 Electrical Ratings

Item	Min	Nominal	Max	Units
<i>Power Supply Inputs (J1, J1X)</i>				
Voltage	22.5	24.0/28.0	28.6	V dc
Current	—	—	13	A dc
<i>Power Supply Outputs (JR1-8, JS1-8, JT1-8)</i>				
Voltage	—	24.0/28.0	-	V dc
Current	—	—	0.8	A dc

4.5 PPDA Power Distribution System Feedback

The following hardware combinations are approved for use in hazardous locations:

- Mark VIe Power Distribution system feedback I/O pack **IS220PPDAH1A** or **ISx2yPPDAH1B** with accessory **ISx0yJPDSG1A** or **IS40yJPDGH1A** (where x = 2 or 4 and y = 0 or 1)

4.5.1 Electrical Ratings

PPDA Power Supply

Item	Min	Nominal	Max	Units
Voltage	PPDAH1B: 22.5 PPDAH1A: 27.4	PPDAH1B: 24.0/28.0 PPDAH1A: 28.0	28.6	V dc
Current	—	—	0.24	A dc

ISx2yPPDAH1B used with Accessory IS40yJPDGH1A

Item	Min	Nominal	Max	Units
<i>Control Power Input (JR, JS)</i>				
Voltage	22.5	24.0/28.0	28.6	V dc
Current at 70°C (158 °F)	—	—	36	A dc
Current at 55°C (131 °F)	—	—	40	A dc
<i>Control Power Outputs (J1-J4)</i>				
Continuous Current	—	—	7	A dc
<i>Control Power Outputs (JC1-JC4)</i>				
Continuous Current	—	—	1.5	A dc
Continuous Current with Ambient 55°C (131 °F)	—	—	2	A dc

Power Distribution

Power Distribution Classified Location Certifications

Equipment	Non-hazardous	Class I, Division 2, Groups A, B, C, D	Class I, Zone 2, Group IIC	ATEX Zone 2, Group IIC
IS210JPDHG1A	UL E207685	UL E207685	UL E207685	UL DEMKO 12 ATEX 1114875X
IS410JPDHG1A	UL E207685	UL E207685	UL E207685	UL DEMKO 12 ATEX 1114875X
IS411JPDHG1A	UL E207685	UL E207685	UL E207685	UL DEMKO 12 ATEX 1114875X
IS220PPDAH1A	UL E207685	UL E207685	UL E207685	UL DEMKO 12 ATEX 1114875X
Accessories: IS200JPDSSG1A	UL E207685	UL E207685	UL E207685	UL DEMKO 18 ATEX 2032X
ISx2yPPDAH1B	UL E207685	UL E207685	UL E207685	UL DEMKO 18 ATEX 2032X
Accessories: ISx0yJPDSSG1A	UL E207685	UL E207685	UL E207685	UL DEMKO 18 ATEX 2032X
IS40yJPDGH1A	UL E207685	UL E207685	UL E207685	UL DEMKO 18 ATEX 2032X
IS41yJPDDG1A	UL E207685	UL E207685	UL E207685	UL DEMKO 18 ATEX 2032X
IS41yJPDDG2A	UL E207685	UL E207685	UL E207685	UL DEMKO 18 ATEX 2032X
IS41yJPDDG3A	UL E207685	UL E207685	UL E207685	UL DEMKO 18 ATEX 2032X
IS41yJPDDG4A	UL E207685	UL E207685	UL E207685	UL DEMKO 18 ATEX 2032X
IS41yJPDEG1A	UL E207685	UL E207685	UL E207685	UL DEMKO 18 ATEX 2032X

Power Distribution

Power Distribution Classified Location Standards

Equipment	Non-hazardous	Class I, Division 2, Groups A, B, C, D	Class I, Zone 2, Group IIC	ATEX Zone 2, Group IIC
IS210JPDHG1A			UL 60079-0 Ed. 5	
IS410JPDHG1A	UL 508 Ed. 17	ANSI/ISA-12.12.01+2015	UL 60079-15 Ed. 3	EN 60079-0:2012
IS411JPDHG1A	CSA-C22.2 No. 142-M1987	CAN/CSA-C22.2 No. 213-15	CAN/CSA-C22.2 No. 60079-0:11	EN 60079-15:2010
IS220PPDAH1A			CAN/CSA-C22.2 No. 60079-15:12	
Accessories:			UL 60079-0 Ed. 5	
IS200JPDG1A	UL 508 Ed. 17	ANSI/ISA-12.12.01+2015	UL 60079-15 Ed. 3	EN 60079-0:2012
	CSA-C22.2 No. 142-M1987	CAN/CSA-C22.2 No. 213-15	CAN/CSA-C22.2 No. 60079-0:11	EN 60079-15:2010
ISx2yPPDAH1B			CAN/CSA-C22.2 No. 60079-15:12	
Accessories:			UL 60079-0 Ed. 5	
ISx0yJPDG1A	UL 508 Ed. 17	ANSI/ISA-12.12.01+2015	UL 60079-7 Ed. 5 (JPDGH1A only)	EN 60079-0:2012
IS40yJPDGH1A	CSA-C22.2 No. 142-M1987	CAN/CSA-C22.2 No. 213-15	UL 60079-15 Ed. 3 (JPDSG1A only)	EN 60079-7:2015
			CAN/CSA-C22.2 No. 60079-0:11	
			CAN/CSA-C22.2 No. 60079-7:16 (JPDGH1A only)	
			CAN/CSA-C22.2 No. 60079-15:12 (JPDSG1A only)	
IS41yJPDDG1A	UL 61010-1 Ed. 3			
IS41yJPDDG2A	UL 61010-2-201 Ed. 1			
IS41yJPDDG3A	CAN/CSA-C22.2 No. 61010-1-12	ANSI/ISA-12.12.01+2015	UL 60079-0 Ed. 5	EN 60079-0:2012
IS41yJPDDG4A	CAN/CSA-IEC 61010-2-201:14	CAN/CSA-C22.2 No. 213-15	UL 60079-7 Ed. 5	EN 60079-7:2015
	UL 61010-1 Ed. 3		CAN/CSA-C22.2 No. 60079-7:16	
IS41yJPDEG1A	UL 61010-2-201 Ed. 1	ANSI/ISA-12.12.01+2015		
	CAN/CSA-C22.2 No. 61010-1-12	CAN/CSA-C22.2 No. 213-15	UL 60079-0 Ed. 5	EN 60079-0:2012
			UL 60079-7 Ed. 5	EN 60079-7:2015
	CAN/CSA-IEC 61010-2-201:14		CAN/CSA-C22.2 No. 60079-7:16	

Power Distribution

Power Distribution Equipment Markings

Equipment	US & CAN Class I Div 2	US & CAN Class I Zone 2	ATEX Zone 2
IS210JPDHG1A			
IS410JPDHG1A	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
IS411JPDHG1A			
IS220PPDAH1A	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
Accessories: IS200JPDSSG1A			
ISx2yPPDAH1B		When used with accessories IS40yJPDGH1A: Class I, Zone 2, AEx/Ex ec IIC T4 Gc X	
Accessories: ISx0yJPDSSG1A	Class I, Div 2, Groups A, B, C, D, T4	When used with accessories ISx0yJPDSSG1A: Class I, Zone 2, AEx nA IIC T4, Ex nA IIC T4 Gc X	Ex ec IIC T4 Gc
IS40yJPDGH1A			
IS41yJPDDG1A			
IS41yJPDDG2A	Class I, Div 2, Groups A, B, C, D, T3A	Class I, Zone 2, AEx/Ex ec IIC T3 Gc X	Ex ec IIC T3 Gc
IS41yJPDDG3A			
IS41yJPDDG4A			
IS41yJPDEG1A	Class I, Div 2, Groups A, B, C, D, T4	Class I, Zone 2, AEx/Ex ec IIC T4 Gc X	Ex ec 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	