General Specifications

EJX-A Series and EJA-E Series
Explosion Protected Type and
Marine Certificate Type

DPharp EJX®
DPharp EJA®

GS 01C25A20-01EN

■ Outline

In this General Specifications, EJX-A Series and EJA-E Series optional specifications for some explosion protected types and marine certificate types are stated. For standard specifications, functions, and other optional specifications, please refer to the standard General Specifications of each model.

■ Model

EJX□□□A and EJA□□□E

■ Explosion Protected Type

Item	Description	Code
NEPSI	NEPSI Flameproof Approval *1*2*5*6 Applicable Standard: GB3836.1-2010, GB3836.2-2010 Ex d IIC T4 ~ T6 Gb Enclosure: IP66 / IP67 Max. Process Temp.: T4;120°C (248°F), T5;100°C (212°F), T6; 85°C (185°F) Ambient Temp.: –50 to 75°C (–58 to 167°F) for T4, –50 to 80°C (–58 to 176°F) for T5, –50 to 75°C (–58 to 167°F) for T6	**NF2**
	NEPSI Flameproof and Dust ignition Proof Approval *1*2*5*6 Applicable Standard: GB3836.1-2010, GB3836.2-2010, GB12476.1-2013, GB12476.5-2013 Ex d IIC T4 ~ T6 Gb, Ex tD A21 IP66/IP67 T85°C Process Temp.(Tp) for gas-proof: T4; –50 to 120°C (–58 to 248°F), T5; –50 to 100°C (–58 to 212°F), T6; –50 to 85°C (–58 to 185°F) Ambient Temp.(Tamb) for gas-proof: T4; –50 to 75°C (–58 to 167°F), T5; –50 to 80°C (–58 to 176°F), T6; –50 to 75°C (–58 to 167°F) Max. surface Temp. for dust-proof: T85°C (Tamb: –30 to 75°C, Tp: –30 to 85°C) *7 Enclosure: IP66 / IP67	**NF21**
	NEPSI Intrinsic safety Approval for HART/BRAIN Protocol Type *1*2*3*4 Applicable Standard: GB3836.1-2010, GB3836.4-2010, GB3836.20-2010 Ex ia IIC T4 Ga Ambient Temp.: –50 to 60°C (–58 to 140°F) Max. Process Temp.: 120°C (248°F) Electrical Parameters: Ui=30 V, Ii=200 mA, Pi=0.9 W, Ci=27.6 nF, Li=0 µH	**NS21**
	NEPSI Intrinsic safety Approval for Fieldbus Type *1*3*4*5 Applicable Standard: GB3836.1-2010, GB3836.4-2010, GB3836.19-2010, GB3836.20-2010 Ex ia IIC/IIB T4 Ga Ambient Temp.: –40 to 60°C (–40 to 140°F) Max. Process Temp.: 120°C (248°F) Electrical parameters: [Entity] Ui = 24 V, Ii= 250 mA, Pi = 1.2 W, Ci = 3.52 nF, Li = 0 µH [FISCO IIC] Ui = 17.5 V, Ii = 380 mA, Pi = 5.32 W, Ci = 3.52 nF, Li = 0 µH [FISCO IIB] Ui = 17.5 V, Ii = 460 mA, Pi = 5.32 W, Ci = 3.52 nF, Li = 0 µH	**NS25**
	NEPSI Intrinsic safety for Digital Remote Sensor *1*3*4*6 Applicable Standard: GB3836.1-2010, GB3836.4-2010, GB3836.20-2010 Ex ia IIC T4 Ga Ambient Temp. : –50 to 60°C (–58 to 140°F) Max. Process Temp.: 120°C (248°F) Enclosure: IP66/IP67 in accordance with GB 4208 Electrical Parameters [EJX****-P] Supply/Output Circuit (Terminal: + and –) Ui: 30 V, Ii: 200 mA, Pi: 0.9 W, Ci: 27.6 nF, Li: 0 mH Communication Circuit (Connector) Uo: 8.2 V, Io: 160 mA, Po: 0.3 W, Co: 7.6 µF, Lo: 1 mH [EJX****-S] Ui: 8.2 V, Ii: 200 mA, Pi: 0.4 W, Ci: 6 µF, Li: 0 mH	**NS24**

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GS 01C25A20-01EN

5th Edition July 2018 (KP)

Item	Description	Code
KOSHA	KOSHA Flameproof Approval *1*2*5*6 Applicable Standard: Notice of Ministry of Labor No. 2010-36, EN 60079-0:2009, EN 60079-1:2007 Ex d IIC T4, T5, T6 Amb. Temp. (Tamb): T4; –50 to 75°C, T5; –50 to 80°C, T6; –50 to 75°C Max. process Temp.(Tp): T4; 120°C, T5; 100°C, T6; 85°C	**PF22**
	KOSHA Intrinsically safe Approval *1*2*3*4 Applicable Standard: Notice of Ministry of Labor No. 2010-36, EN 60079-0:2009, EN 60079-11:2012 Ex ia IIC T4 Ambient Temp.: –50 to 60°C Maximum Process Temp.: 120°C Electrical data: Ui=30 V, Ii=200 mA, Pi=0.9 W, Ci=27.6 nF, Li=0 µH	**PS21**
INMETRO	INMETRO Flameproof Approval *1*2*5*6 Applicable Standard: ABNT NBR IEC 60079-0:2013 Versão Corrigida 2:2016, ABNT NBR IEC 60079-1:2009 Versão Corrigida:2011 Ex d IIC T6...T4 Gb Amb. Temp. (Tamb): T4; –50 to 75°C (–58 to 167°F), T5; –50 to 80°C (–58 to 176°F), T6; –50 to 75°C (–58 to 167°F) Process Temp.(Tp): T4; –50 to 120°C (–58 to 248°F), T5; –50 to 100°C (–58 to 212°F), T6; –50 to 85°C (–58 to 185°F)	**UF1**
	INMETRO Intrinsically safe Approval *1*2*3*4 Applicable Standard: ABNT NBR IEC 60079-0;2013 Versão Corrigida 2: 2016, ABNT NBR IEC 60079-11;2013 Ex ia IIC T4 Ga Ambient Temp.: –50 to 60°C (–58 to 140°F) Max Process Temp.(Tp): 120°C (248°F) Electrical data: Ui=30 V, Ii=200 mA, Pi=0.9 W, Ci=27.6 nF, Li=0 µH	**US1**
	INMETRO Intrinsically safe Approval *1*3*4*6 Applicable Standard: ABNT NBR IEC 60079-0;2013 Versão Corrigida 2: 2016, ABNT NBR IEC 60079-11;2013 Ex ia IIC T4 Ga Ambient Temp.: –50 to 60°C (–58 to 140°F) Max Process Temp.(Tp): 120°C (248°F) Electrical Parameters [EJX****-P] Supply/Output Circuit (Terminal: + and –) Ui: 30 V, Ii: 200 mA, Pi: 0.9 W, Ci: 27.6 nF, Li: 0 mH Communication Circuit (Connector) Uo: 8.2 V, Io: 160 mA, Po: 0.3 W, Co: 7.6 µF, Lo: 1 mH [EJX****-S] Ui: 8.2 V, Ii: 200 mA, Pi: 0.4 W, Ci: 6 µF, Li: 0 mH	**US24**

*1: Applicable for electrical connection code 2, 4, 7, 9, C, and D.
*2: Applicable for output signal code D, E, and J (E is only for EJX-A series).
*3: Not applicable for option code /AL (/AL is only for EJX-A series).
*4: Not applicable for EJX910A and EJX930A.
*5: Applicable for output signal code F and G.
*6: Applicable for output signal code P and S.
*7: Lower limit of Ambient temperature(Tamb) is –15°C (5°F) when /HE is specified.

■ Marine Certificate Type

Item	Description	Code
Marine Certificate	American Bureau of Shipping Type Approval *1*3 Certificate No.: 14-YO1127376-PDA	**WCA**
	Bureau Veritas Type Approval *1*3 Certificate No.: 42655/A0 BV	**WCB**
	Det Norske Veritas Type Approval *1*3 Certificate No.: A-13669	**WCD**
	Lloyd's Register of Shipping Type Approval *1*2*3 Certificate No.: 10/10003(E1)	**WCL**
	Nippon Kaiji Kyokai (NK) Type Approval *1*3 Certificate No.: TA16062M	**WCN**

*1: Applicable for output signal code D, E, and J (E is only for EJX-A series).
*2: Not applicable for measurement range 70 MPa (EJX6□0A D range and EJA5□0E /HG).
*3: Applicable only for process connection code 0, 1, 2, 3, 4, 5, 6, 7, 8, 9 or A, for those models which have a definition of "process connection" in their suffix code structure.
Not applicable for a diaphragm seal system (EJXC40A, EJXC50A, EJAC50E, EJXC80A or EJAC80E)