

認證編號變更通知

EB3 系列 隔離柵(本質安全防爆構造)

關於 2022 年 9 月發行的【[規格變更通知：EB3 系列 隔離柵\(本質安全防爆構造\)](#)】(通知函編號:[T-2022016](#))內所公告規格變更已經完成，特此通知更新後的認證編號。關於詳情請參考以下說明。

對象製品

系列	機種
EB3C 型	繼電器隔離柵(本質安全防爆構造)
EB3L 型	指示燈隔離柵(本質安全防爆構造)
EB3N 型	安全繼電器隔離柵(本質安全防爆構造)
EB3S 型	感測器隔離柵(本質安全防爆構造)



包含以標準品為基礎的客製化規格品。

關於認證編號的變更

1. 現行品與更新品的認證機關、認證編號的變更

1-(1) EB3C 型 繼電器隔離柵

認證的種類	認證機關		認證編號	
	現行品	更新品	現行品	現行品
日本型式檢定	TIIS	DEKRA	TC20539	DEK21.0084
IECEX	PTB	DEKRA	IECEX PTB10.0015	IECEX DEK21.0070
ATEX	PTB	DEKRA	PTB 09ATEX2046	DEKRA 21ATEX0103
UKCA	-	CSA	-	CSAE 22UKEX1312
UL, c-UL	UL	不變	E234997	不變
FM	FM	不變	FM16US0364X	FM22US0085X
Ex-CCC	CQC	不變	2020012316310050	不變
KCs	KOSHA	不變	14-AV4BO-0373 14-AV4BO-0374	不變
TS	MOL	不變	TD0400QL	TD04010Z
日本船舶認證	NK	不變	TA18437M	TA22539M
韓國船舶認證	KR	不變	TKY17821-EL003	不變

1-(2) EB3L 型 指示燈隔離柵

認證的種類	認證機關		認證編號	
	現行品	更新品	現行品	現行品
日本型式檢定	TIIS	DEKRA	TC20541	DEK21.0085
IECEX	PTB	DEKRA	IECEX PTB10.0015	IECEX DEK21.0070
ATEX	PTB	DEKRA	PTB 09ATEX2046	DEKRA 21ATEX0103
UKCA	-	CSA	-	CSAE 22UKEX1312
UL, c-UL	UL	不變	E234997	不變
FM	FM	不變	FM16US0364X	FM22US0085X
Ex-CCC	CQC	不變	2020012316310980	不變
KCs	KOSHA	不變	14-AV4BO-0375 14-AV4BO-0376	不變
TS	MOL	不變	TD0400QL	TD04010Z
日本船舶認證	NK	不變	TA18437M	TA22539M
韓國船舶認證	KR	不變	TKY17821-EL003	不變

1-(3) EB3N 型 安全繼電器隔離柵

認證的種類	認證機關		認證編號	
	現行品	更新品	現行品	更新品
日本型式檢定	TIIS	DEKRA	TC18753	DEK21.0086
IECEX	PTB	DEKRA	IECEX PTB10.0015	IECEX DEK21.0070
ATEX	PTB	DEKRA	PTB 09ATEX2046	DEKRA 21ATEX0103
UKCA	-	CSA	-	CSAE 22UKEX1312
UL, c-UL	UL	不變	E234997	不變
FM	-	FM	-	FM22US0085X
Ex-CCC	CQC	不變	2020012316310977	不變
KCs	-	KOSHA	-	22-AV4BO-0501X 22-AV4BO-0502X
TS	-	MOL	-	TD04010Z

1-(4) EB3S 型 感測器隔離柵

認證的種類	認證機關		認證編號	
	現行品	更新品	現行品	更新品
日本型式檢定	TIIS	DEKRA	TC20540	DEK21.0087
IECEX	PTB	DEKRA	IECEX PTB10.0015	IECEX DEK21.0070
ATEX	PTB	DEKRA	PTB 09ATEX2046	DEKRA 21ATEX0103
UKCA	-	CSA	-	CSAE 22UKEX1312
FM	FM	不變	FM16US0364X	FM22US0085X
Ex-CCC	CQC	不變	2020012316310984	不變
KCs	-	KOSHA	-	22-AV4BO-0503X 22-AV4BO-0504X
TS	-	MOL	-	TD04010Z

2. 防爆認證標籤的變更

系列	現行品	更新品
EB3C	<p>TIIS [Ex ia] IIC, Ta=-20°C~+60°C, Um=AC250V 50/60Hz DC250V, Manual No.B-1340-1</p> <p>UKCA 0470 [Ex ia Ga] IIC II (1) D [Ex ia Da] IIC II (1) D [Ex ia Da] IIC</p> <p>NK Type Test No. 13T806 KR Cert No. TKY17821-EL003</p> <p>FM APPROVED [Ex ia Ga] IIC</p> <p>CCC Drawing No. B-1340-4 [Ex ia Ga] IIC</p> <p>TD04000L</p> <p>EB3C-N Installation: Safe Area IDEC CORPORATION 2-6-64 Nishimiyahara, Yodogawa-ku, Osaka, Japan</p>	<p>[Ex ia Ga] IIC, [Ex ia Da] IIC, Ta=-20°C~+60°C, Um=AC250V 50/60Hz DC250V, Drawing No. B-2270-1, Drawing No. B-2270-2, DEK21.0084, IECEX DEK 21.0070</p> <p>UKCA 0470 [Ex ia Ga] IIC II (1) D [Ex ia Da] IIC II (1) D [Ex ia Da] IIC</p> <p>EB3C-N-2 Drawing No. B-2270-4 Provides intrinsically safe circuits for AIS C, I, II, III, Div.1, Gr. A, B, C, D, E, F, G, AIS Zone 0, 1, [Ex ia Ga] IIC, II, III, IA</p> <p>FM APPROVED [Ex ia Ga] IIC</p> <p>CCC Drawing No. B-2270-5 [Ex ia Ga] IIC, [Ex ia Da] IIC</p> <p>TD04010Z</p> <p>EB3C-N Installation: Safe Area IDEC CORPORATION 2-6-64 Nishimiyahara, Yodogawa-ku, Osaka, Japan</p>
	<p>UL LISTED 1LA2 TYPE: EB3C-R01AN POWER: 100V to 120V AC 50/60Hz 4.1VA OUTPUT: 125V AC/24V DC 3A (1th)</p> <p>PROCESS CONTROL EQUIPMENT FOR USE IN HAZARDOUS LOCATIONS Associated Equipment (Appareillage connexe) for use in unclassified locations providing intrinsically safe circuits for use in [Ex ia] IIC, Zone 0, Gr. IIC, IIB, IIA, C1, I, II, III, Div.1, Gr. A, B, C, D, E, F, G, when installed in accordance with control drawing No. B-1340-7.</p> <p>WARNING- Substitution of components may impair intrinsic safety. WARNING- To prevent ignition of explosive atmospheres disconnect power before servicing.</p> <p>EB3C-N Installation: Safe Area IDEC CORPORATION MADE IN JAPAN OSAKA, JAPAN</p>	<p>UL LISTED 1LA2 TYPE: EB3C-R01AN-2 POWER: 100V to 120V AC 50/60Hz 4.1VA OUTPUT: 125V AC/24V DC 3A (1th)</p> <p>PROCESS CONTROL EQUIPMENT FOR USE IN HAZARDOUS LOCATIONS Associated Equipment (Appareillage connexe) for use in unclassified locations providing intrinsically safe circuits for use in [Ex ia Ga] IIC, Zone 0, Gr. IIC, IIB, IIA, C1, I, II, III, Div.1, Gr. A, B, C, D, E, F, G, when installed in accordance with control drawing No. B-2270-7.</p> <p>WARNING - Substitution of components may impair intrinsic safety. To prevent ignition of explosive atmospheres disconnect power before servicing. AVERTISSEMENT - La substitution de composants peut compromettre la sécurité intrinsèque de l'appareil. Afin d'éviter l'inflammation d'atmosphères explosives, débranchez l'alimentation avant de procéder à l'entretien de l'appareil.</p> <p>Ta=-20~+60°C, Um=125V/Lo=13.2V Field wiring conductors rating/min. 125V, min. 75°C For Io, Po, Co and Lo see instructions manual B-2270-7. Use Copper Conductors Only.</p> <p>EB3C-N Installation: Safe Area IDEC CORPORATION 2-6-64 Nishimiyahara, Yodogawa-ku, Osaka, Japan MADE IN JAPAN</p>

系列	現行品	更新品																																																										
EB3L	<p>TIIS [Exia] IIC Ta=-20°C~+60°C Um=AC250V 50/60Hz DC250V Manual No. B-1341-1</p> <table border="1"> <tr> <th>Wiring</th> <th>1ch Separate Circuit</th> <th>16ch Common Circuit</th> </tr> <tr> <td>Uo</td> <td>13.2V</td> <td>13.2V</td> </tr> <tr> <td>Io</td> <td>14.2mA</td> <td>227.2mA</td> </tr> <tr> <td>Po</td> <td>46.9mW</td> <td>750mW</td> </tr> <tr> <td>Lo</td> <td>87.5mH</td> <td>0.425mH</td> </tr> <tr> <td>Co</td> <td>0.47μF</td> <td>365nF</td> </tr> </table> <p>NK Type Test No. 13T606 KR Cert. No. TKY17821-EL003</p> <p>TS Ta=60°C Um=250V Channel 1 Common 16</p> <table border="1"> <tr> <td>Uo(V)</td> <td>13.2V</td> <td>13.2V</td> <td>13.2V</td> </tr> <tr> <td>Io(I)</td> <td>14.2mA</td> <td>227.2mA</td> <td>227.2mA</td> </tr> <tr> <td>Po</td> <td>46.9mW</td> <td>750mW</td> <td>750mW</td> </tr> <tr> <td>Lo(La)</td> <td>87.5mH</td> <td>0.425mH</td> <td>0.425mH</td> </tr> <tr> <td>Co(Ca)</td> <td>0.47μF</td> <td>0.49μF</td> <td>0.49μF</td> </tr> </table> <p>EB3L-N Installation: Safe Area IDEC CORPORATION 2-6-64 Nishimiyahara, Yodogawa-ku, Osaka, Japan MADE IN JAPAN</p>	Wiring	1ch Separate Circuit	16ch Common Circuit	Uo	13.2V	13.2V	Io	14.2mA	227.2mA	Po	46.9mW	750mW	Lo	87.5mH	0.425mH	Co	0.47μF	365nF	Uo(V)	13.2V	13.2V	13.2V	Io(I)	14.2mA	227.2mA	227.2mA	Po	46.9mW	750mW	750mW	Lo(La)	87.5mH	0.425mH	0.425mH	Co(Ca)	0.47μF	0.49μF	0.49μF	<p>[Ex ia Ga] IIC, [Ex ia Da] IIC Ta=-20°C~+60°C Um=AC250V 50/60Hz DC250V Drawing No. B-2272-1 DEK21.0085 IECEx DEK 21.0070</p> <p>UK CA 0470 CSAE 22UKEX1312</p> <p>FM APPROVED Drawing No. B-2272-4 Provides intrinsically safe circuits for AIS CL.I,II,III, Div.1, Gr.A,B,C,D,E,F,G AIS Zone 0.1, [AEx ia Ga] IIC, IIB, IIA</p> <p>TS Ta=60°C Um=250V Channel 1 Common 16</p> <table border="1"> <tr> <td>Uo(Voc/Vo)</td> <td>13.2V</td> <td>13.2V</td> <td>13.2V</td> </tr> <tr> <td>Io(Isc/I)</td> <td>14.2mA</td> <td>227.2mA</td> <td>227.2mA</td> </tr> <tr> <td>Po</td> <td>46.9mW</td> <td>750mW</td> <td>750mW</td> </tr> <tr> <td>Lo(La)</td> <td>87.5mH</td> <td>0.425mH</td> <td>0.425mH</td> </tr> <tr> <td>Co(Ca)</td> <td>0.47μF</td> <td>0.49μF</td> <td>0.49μF</td> </tr> </table> <p>EB3L-N Installation: Safe Area IDEC CORPORATION 2-6-64 Nishimiyahara, Yodogawa-ku, Osaka, Japan MADE IN JAPAN</p>	Uo(Voc/Vo)	13.2V	13.2V	13.2V	Io(Isc/I)	14.2mA	227.2mA	227.2mA	Po	46.9mW	750mW	750mW	Lo(La)	87.5mH	0.425mH	0.425mH	Co(Ca)	0.47μF	0.49μF	0.49μF
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EB3N	<p>UL LISTED TYPE: EB3L-S01AN POWER: 100V to 120V AC 50/60Hz 4.3VA INPUT: 24V DC 5mA</p> <p>PROCESS CONTROL EQUIPMENT FOR USE IN HAZARDOUS LOCATIONS Associated Equipment (Appareillage connexe) for use in unclassified locations providing intrinsically safe circuits for use in [Ex ia] IIC CL I, Zone 0, 1, Gr. IIC, IIB, IIA, Div. 1, Gr. A, B, C, D, E, F, G, when installed in accordance with control drawing No. B-1341-7</p> <p>WARNING- Substitution of components may impair intrinsic safety. WARNING- To prevent ignition of explosive atmospheres disconnect power before servicing.</p> <p>EB3L-N Installation: Safe Area IDEC CORPORATION 2-6-64 Nishimiyahara, Yodogawa-ku, Osaka, Japan MADE IN JAPAN</p>	<p>UL LISTED TYPE: EB3L-S01AN-2 POWER: 100V to 120V AC 50/60Hz 4.3VA INPUT: 24V DC 5mA</p> <p>PROCESS CONTROL EQUIPMENT FOR USE IN HAZARDOUS LOCATIONS Associated Equipment (Appareillage connexe) for use in unclassified locations providing intrinsically safe circuits for use in [Ex ia] IIC CL I, Zone 0, Gr. IIC, IIB, IIA, Div. 1, Gr. A, B, C, D, E, F, G, when installed in accordance with control drawing No. B-2272-7</p> <p>WARNING- Substitution of components may impair intrinsic safety. To prevent ignition of explosive atmospheres disconnect power before servicing. AVERTISSEMENT- La substitution de composants peut compromettre la sécurité intrinsèque de l'appareil. Afin d'éviter l'initiation d'atmosphères explosives, débranchez l'alimentation avant de procéder à l'entretien de l'appareil.</p> <p>EB3L-N Installation: Safe Area IDEC CORPORATION 2-6-64 Nishimiyahara, Yodogawa-ku, Osaka, Japan MADE IN JAPAN</p>																																																										
EB3S	<p>TIIS [Exia] IIC Ta=60°C Um=250V Manual No. B-1156-1</p> <table border="1"> <tr> <th>Wiring</th> <th>Channel</th> </tr> <tr> <td>Uo (V)</td> <td>13.2</td> </tr> <tr> <td>Io (I)</td> <td>127.2</td> </tr> <tr> <td>Po (mW)</td> <td>750</td> </tr> <tr> <td>Lo (mH)</td> <td>280</td> </tr> <tr> <td>Co (nF)</td> <td>8.55</td> </tr> </table> <p>TS Ta=60°C Um=250V Channel 1 max.16</p> <table border="1"> <tr> <td>Uo (V)</td> <td>13.2V</td> <td>13.2V</td> <td>13.2V</td> </tr> <tr> <td>Io (I)</td> <td>14.2mA</td> <td>28.4mA</td> <td>227.2mA</td> </tr> <tr> <td>Po</td> <td>46.9mW</td> <td>93.8mW</td> <td>750mW</td> </tr> <tr> <td>Lo (La)</td> <td>2.5mH</td> <td>3.5mH</td> <td>600μH</td> </tr> <tr> <td>Co (Ca)</td> <td>540nF</td> <td>480nF</td> <td>490nF</td> </tr> </table> <p>EB3N Installation: Safe Area IDEC CORPORATION 2-6-64 Nishimiyahara, Yodogawa-ku, Osaka, Japan MADE IN JAPAN</p>	Wiring	Channel	Uo (V)	13.2	Io (I)	127.2	Po (mW)	750	Lo (mH)	280	Co (nF)	8.55	Uo (V)	13.2V	13.2V	13.2V	Io (I)	14.2mA	28.4mA	227.2mA	Po	46.9mW	93.8mW	750mW	Lo (La)	2.5mH	3.5mH	600μH	Co (Ca)	540nF	480nF	490nF	<p>[Ex ia Ga] IIC, [Ex ia Da] IIC Ta=-20°C~+60°C Um=AC250V 50/60Hz DC250V Drawing No. B-2284-1 DEK21.0086 IECEx DEK 21.0070</p> <p>UK CA 0470 CSAE 22UKEX1312</p> <p>FM APPROVED Drawing No. B-2284-4 Provides intrinsically safe circuits for AIS CL.I,II,III, Div.1, Gr.A,B,C,D,E,F,G AIS Zone 0.1, [AEx ia Ga] IIC, IIB, IIA</p> <p>TS Ta=60°C Um=250V Channel 1 2 max.16</p> <table border="1"> <tr> <td>Uo(Voc/Vo)</td> <td>13.2V</td> <td>13.2V</td> <td>13.2V</td> </tr> <tr> <td>Io(Isc/I)</td> <td>14.2mA</td> <td>28.4mA</td> <td>227.2mA</td> </tr> <tr> <td>Po</td> <td>46.9mW</td> <td>93.8mW</td> <td>750mW</td> </tr> <tr> <td>Lo(La)</td> <td>2.5mH</td> <td>3.5mH</td> <td>600μH</td> </tr> <tr> <td>Co(Ca)</td> <td>0.59μF</td> <td>0.49μF</td> <td>0.49μF</td> </tr> </table> <p>EB3N Installation: Safe Area IDEC CORPORATION 2-6-64 Nishimiyahara, Yodogawa-ku, Osaka, Japan MADE IN JAPAN</p>	Uo(Voc/Vo)	13.2V	13.2V	13.2V	Io(Isc/I)	14.2mA	28.4mA	227.2mA	Po	46.9mW	93.8mW	750mW	Lo(La)	2.5mH	3.5mH	600μH	Co(Ca)	0.59μF	0.49μF	0.49μF						
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EB3C	<p>TIIS EB3S-BN [Exia] IIB Ta=-20°C~+60°C Um=AC250V 50/60Hz DC250V Manual No. B-1339-1</p> <table border="1"> <tr> <td>Uo</td> <td>13.2V</td> </tr> <tr> <td>Io</td> <td>56.0mA</td> </tr> <tr> <td>Po</td> <td>165mW</td> </tr> <tr> <td>Lo</td> <td>0.452mH</td> </tr> <tr> <td>Co</td> <td>5.9μF</td> </tr> </table> <p>NK Type Test No. 13T606 Group IIB</p> <table border="1"> <tr> <td>Uo (V)</td> <td>13.2V</td> <td>13.2V</td> </tr> <tr> <td>Io (I)</td> <td>56mA</td> <td>56mA</td> </tr> <tr> <td>Po</td> <td>165mW</td> <td>165mW</td> </tr> <tr> <td>Lo (La)</td> <td>0.25mH</td> <td>0.25mH</td> </tr> <tr> <td>Co (Ca)</td> <td>0.89μF</td> <td>5.3μF</td> </tr> </table> <p>EB3S-N Installation: Safe Area IDEC CORPORATION 2-6-64 Nishimiyahara, Yodogawa-ku, Osaka, Japan MADE IN JAPAN</p>	Uo	13.2V	Io	56.0mA	Po	165mW	Lo	0.452mH	Co	5.9μF	Uo (V)	13.2V	13.2V	Io (I)	56mA	56mA	Po	165mW	165mW	Lo (La)	0.25mH	0.25mH	Co (Ca)	0.89μF	5.3μF	<p>EB3S-BN [Ex ia Ga] IIB, [Ex ia Da] IIB Ta=-20°C~+60°C Um=AC250V 50/60Hz DC250V Drawing No. B-2274-1 DEK21.0087</p> <p>UK CA 0470 CSAE 22UKEX1312</p> <p>FM APPROVED Drawing No. B-2274-4 Provides intrinsically safe circuits for AIS CL.I,II,III, Div.1, Gr.A,B,C,D,E,F,G AIS Zone 0.1, [AEx ia Ga] IIC, IIB, IIA</p> <p>TS Ta=60°C Um=250V Group IIB</p> <table border="1"> <tr> <td>Uo(Voc/Vo)</td> <td>13.2V</td> <td>13.2V</td> </tr> <tr> <td>Io(Isc/I)</td> <td>56mA</td> <td>56mA</td> </tr> <tr> <td>Po</td> <td>165mW</td> <td>165mW</td> </tr> <tr> <td>Lo(La)</td> <td>0.25mH</td> <td>0.453mH</td> </tr> <tr> <td>Co(Ca)</td> <td>0.91μF</td> <td>5.9μF</td> </tr> </table> <p>EB3S-N Installation: Safe Area IDEC CORPORATION 2-6-64 Nishimiyahara, Yodogawa-ku, Osaka, Japan MADE IN JAPAN</p>	Uo(Voc/Vo)	13.2V	13.2V	Io(Isc/I)	56mA	56mA	Po	165mW	165mW	Lo(La)	0.25mH	0.453mH	Co(Ca)	0.91μF	5.9μF																		
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Co (Ca)	0.89μF	5.3μF																																																										
Uo(Voc/Vo)	13.2V	13.2V																																																										
Io(Isc/I)	56mA	56mA																																																										
Po	165mW	165mW																																																										
Lo(La)	0.25mH	0.453mH																																																										
Co(Ca)	0.91μF	5.9μF																																																										

注意:更新後的 EB3C/EB3L/EB3S 系列的 UL/FM 證書和認證標籤上的型號將在字尾添加「-2」, 但銷售時的產品型號不變。

(例) 銷售時的產品型號: EB3C-R01AN UL/FM 認證上的型號: EB3C-R01AN-2