Certificate Number UL-US-L52653-12-52309102-11

Report Reference E52653-20190325

Date 29-Aug-2023

HIROSE ELECTRIC CO., LTD. Issued to:

2-6-3 NAKAGAWA CHUOH

TSUZUKI-KU

YOKOHAMA-SHI, Kanagawa 224-8540

Japan

This is to certify that representative samples of ECBT2 - Connectors for Use in Data, Signal, Control and

Power Applications - Component

See Addendum Page for Product Designation(s).

Have been evaluated by UL in accordance with the component requirements in the Standard(s) indicated on this Certificate. UL Recognized components are incomplete

in certain constructional features or restricted in

performance capabilities and are intended for installation in complete equipment submitted for investigation to UL LLC.

UL 1977, Edition 4, Issue Date 2022-12-07 Standard(s) for Safety:

Additional Information: See the UL Online Certifications Directory at

https://ig.ulprospector.com for additional information

This Certificate of Compliance indicates that representative samples of the product described in the certification report have met the requirements for UL certification. It does not provide authorization to apply the UL Recognized Component Mark. Only the Authorization Page that references the Follow-Up Services Procedure for ongoing surveillance provides authorization to apply the UL Mark.

Only those products bearing the UL Recognized Component Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Recognized Component Mark on the product.

contact a local UL Customer Service Representative at h

Deborah Jennings-Conner, VP Regulatory Services d documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questio



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This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements

Model	Category Description
IX, IX32G, , may be followed by -HR, -SM or -RW,	Plugs
followed by -A, -B or -C, followed by -8S, followed by -	YU.YU.YU.YU.Y
CV, –CVL1 or -CVL2, followed by (7.0), may be followed	
by (01) thru (99).	
IX, IX34G, , may be followed by -SM, followed by -B-	Plugs
10S-CV, followed by (7.0) or (4.2), may be followed by)(U)(U)(U)(U)(U)(U
(01) thru (99).	
IX , IX40G, , may be followed by -HR, -SM or -RW,	In-Line Jack
followed by -A or -B, followed by -10P-JC(7.0), may be	VII. VII. VII. VII. VI
followed by (01) thru (99).	·VALVALVALVALVA
IX, IX40G, IX30G or IX31G, , may be followed by -HR, -	Plugs
SM or -RW, followed by -A, -B or -C, followed by -10S,	
followed by -CV, -CVL1 or -CVL2, followed by (7.0), may)(U1)(U1)(U1)(U1)(U
be followed by (01) thru (99).	シー・シー・シー・シー・シー・シー・シー・シー・シー・シー・シー・シー・シー・シ
IX , IX61G, IX60G, IX80G, IX80G2, , followed by -A or -B,	Receptacles
followed by -10P, may be followed by (01) thru (99).	VII. VII. VII. VII. VI
IX, IX61G2, , followed by -A, -B or -C, followed by -10P,	Receptacles
may be followed by (01) thru (99).	

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Deborah Jennings-Conner, VP Regulatory Services

UL LLC



Certificate Number UL-CA-2000690-11

Report Reference E52653-20190325

Date 29-Aug-2023

Issued to: HIROSE ELECTRIC CO., LTD.

2-6-3 NAKAGAWA CHUOH

TSUZUKI-KU

YOKOHAMA-SHI, Kanagawa 224-8540

Japan

This is to certify that representative samples of

ECBT8 - Connectors for Use in Data, Signal, Control and Power Applications Certified for Canada - Component

See Addendum Page for Product Designation(s).

Have been evaluated by UL in accordance with the component requirements in the Standard(s) indicated on this Certificate. UL Recognized components are incomplete

in certain constructional features or restricted in

performance capabilities and are intended for installation in complete equipment submitted for investigation to UL LLC.

Standard(s) for Safety: CSA C22.2 No. 182.3, 2nd Ed., Issue Date: 2016-07,

Revision Date: 2021-5

Additional Information: See the UL Online Certifications Directory at

https://ig.ulprospector.com for additional information

This Certificate of Compliance indicates that representative samples of the product described in the certification report have met the requirements for UL certification. It does not provide authorization to apply the UL Recognized Component Mark. Only the Authorization Page that references the Follow-Up Services Procedure for ongoing surveillance provides authorization to apply the UL Mark.

Only those products bearing the UL Recognized Component Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Recognized Component Mark on the product.

Deborah Jennings-Conner, VP Regulatory Services

UL LLC

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Certificate Number UL-CA-2000690-11

Report Reference E52653-20190325

Date 29-Aug-2023

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements

Model	Category Description
IX, IX32G, , may be followed by -HR, -SM or -RW,	Plugs
followed by -A, -B or -C, followed by -8S, followed by -	· VII. VII. VII. VII. VI
CV, –CVL1 or -CVL2, followed by (7.0), may be followed	-//////////
by (01) thru (99).	
IX, IX34G, , may be followed by -SM, followed by -B-	Plugs
10S-CV, followed by (7.0) or (4.2), may be followed by)(U))(U))(U))(U))(U)
(01) thru (99).	ソトラトラトラト
IX , IX40G, , may be followed by -HR, -SM or -RW,	In-Line Jack
followed by -A or -B, followed by -10P-JC(7.0), may be	- VII. VII. VII. VII. VI
followed by (01) thru (99).	
IX, IX40G, IX30G or IX31G, , may be followed by -HR, -	Plugs
SM or -RW, followed by -A, -B or -C, followed by -10S,	
followed by -CV, -CVL1 or -CVL2, followed by (7.0), may)(U1)(U1)(U1)(U1)(U1)(I
be followed by (01) thru (99).	
IX , IX61G, IX60G, IX80G, IX80G2, , followed by -A or -B,	Receptacles
followed by -10P, may be followed by (01) thru (99).	VII. VII. VII. VII. VI
IX, IX61G2, , followed by -A, -B or -C, followed by -10P,	Receptacles
may be followed by (01) thru (99).	

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Deborah Jennings-Conner, VP Regulatory Services

UL LLC



Project 4788654396 March 25, 2019

REPORT

on

COMPONENT - CONNECTORS FOR USE IN DATA, SIGNAL, CONTROL AND POWER APPLICATIONS

Hirose Electric Co Ltd Kanagawa Japan

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DESCRIPTION

PRODUCT COVERED:

USR, CNR Component Connector, Series IX:

Receptacles, Cat. Nos. IX61G, IX60G, IX80G or IX80G2, followed by -A or -B, followed by -10P, may be followed by (01) thru (99).

Receptacles, Cat. Nos. IX61G2, followed by -A, -B or -C, followed by -10P, may be followed by (01) thru (99).

*Plugs, Cat. Nos. IX40G, IX30G or IX31G, may be followed by -HR, -SM or -RW, followed by -A, -B or -C, followed by -10S, followed by -CV, -CVL1 or -CVL2, followed by (7.0), may be followed by (01) thru (99).

In-Line Jack, Cat. Nos. IX40G, may be followed by -HR, -SM or -RW, followed by -A or -B, followed by -10P-JC(7.0), may be followed by (01) thru (99).

Plugs, Cat. Nos. IX34G, may be followed by -SM, followed by -B-10S-CV, followed by (7.0) or (4.2), may be followed by (01) thru (99).

Plugs, Cat. Nos. IX32G, may be followed by -HR, -SM or -RW, followed by -A, -B or -C, followed by -8S, followed by -CV, -CVL1 or -CVL2, followed by (7.0), may be followed by (01) thru (99).

GENERAL:

These devices are multi-pole connectors intended for factory assembly on copper wire sizes or printed wiring board, only as indicated in Ratings table below, where the acceptability of combinations is determined by UL LLC. The devices are identified as follows:

 \mbox{USR} - Products designated USR have been investigated using US requirements as noted in the Test Record.

 ${\tt CNR}$ - Products designated CNR have been investigated using Canadian requirements as noted in the Test Record.

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RATINGS:

Cat. Nos.	Voltage (Vac/Vdc)	Ampere (A)	Conductor Sizes, AWG (Str)
IX61G-A-10P(**), IX61G-B-10P(**) IX60G-A-10P(**), IX60G-B-10P(**) IX80G-A-10P(**), IX80G-B-10P(**) IX80G2-A-10P(**), IX80G2-B-10P(**)	29	1.5	(+)
IX61G2-A-10P(**), IX61G2-B-10P(**), IX61G2-C-10P(**)			
IX40G-A-10S-CV(7.0) (**), IX40G-B-10S-CV(7.0) (**) IX40G-C-10S-CV(7.0) (**), IX40G-A-10S-CVL1(7.0) (**), IX40G-A-10S-CVL2(7.0) (**) IX40G-B-10S-CVL1(7.0) (**), IX40G-B-10S-CVL2(7.0) (**) IX40G-A-10P-JC(7.0) (**), IX40G-B-10P-JC(7.0) (**)	29	1.0	22 - 28
IX30G-A-10S-CV(7.0)(**), IX30G-B-10S-CV(7.0)(**), IX30G-C-10S-CV(7.0)(**) IX30G-A-10S-CVL1(7.0)(**), IX30G-A-10S-CVL2(7.0)(**), IX30G-B-10S-CVL1(7.0)(**), IX30G-B-10S-CVL2(7.0)(**)	29	1.0	26 - 28
IX31G-A-10S-CV(7.0)(**), IX31G-B-10S-CV(7.0)(**), IX31G-C-10S-CV(7.0)(**) IX31G-A-10S-CVL1(7.0)(**), IX31G-A-10S-CVL2(7.0)(**) IX31G-B-10S-CVL1(7.0)(**), IX31G-B-10S-CVL2(7.0)(**)	29	1.5	24 - 25
IX32G-A-8S-CV(7.0)(**), IX32G-B-8S-CV(7.0)(**), IX32G-C-8S-CV(7.0)(**), IX32G-A-8S-CVL1(7.0)(**), IX32G-A-8S-CVL2(7.0)(**), IX32G-B-8S-CVL1(7.0)(**), IX32G-B-8S-CVL2(7.0)(**),	29	1.5	22
IX34G-SMB-10S-CV(7.0)(**), IX34G-SMB-10S-CV(4.2)(**)	29	1.5	24
(+) Mounted on printed wiring boards.			