

Original



EU DECLARATION OF CONFORMITY

1. Product Models/Products:

G9SP series

2. Name and address of the manufacturer:

OMRON Corporation

Shiokoji Horikawa, Shimogyo-Ku, Kyoto, 600-8530 Japan

3. This declaration of conformity is issued under the sole responsibility of the manufacturer.

4. Objects of the declaration:

G9SP series, Safety Controller

5. The objects of the declaration described above are in conformity with the relevant Union harmonisation legislation:

2014/30/EU EMC Directive, 2006/42/EC Machinery Directive

6. References to the relevant harmonised standards used or references to the other technical specifications in relation to which conformity is declared:

EMC Directive: EN 61131-2: 2007, EN 61000-6-4: 2007/A1: 2011, EN 61000-6-2: 2005

Machinery Directive: EN ISO 13849-1: 2015, EN62061: 2005/A2: 2015 SIL3

7. Name, address, and identification number of Notified Body, Number of EC Type Examination certificate for Machinery Directive

Notified body: TÜV Rheinland Industrie Service GmbH

Address: Alboinstr. 56, 12103 Berlin, Germany

Notified Body identification No.: 0035

Certificate for EU Type Examination: 01/205/5558.00/17, and 01/205/5559.00/17

Signed and on behalf of: OMRON Corporation

Place and date of issue: Kyoto, Japan 1 June 2017

Signature:



Name:

Hideaki Takiguchi

Function:

Industrial Automation Company, Safety Division, General Manager

Name and address of contact in EU

OMRON Europe B.V.

Quality & Environment Department

Attn: J.J.P.W. Vogelaar, European Quality & Environment Manager

Zilverenberg 2, 5234 GM, 's-Hertogenbosch, The Netherlands

Additional information

Types List for EU Directive

Model	Specifications
G9SP-N10S	Safety Controller
G9SP-N10D	Safety Controller
G9SP-N20S	Safety Controller
G9SP-N20S-DW	Safety Controller
G9SP-N20S-OT	Safety Controller
G9SP-N20S-932	Safety Controller

EC Type-Examination Certificate



Product Safety
Functional
Safety

www.tuv.com
ID 060000000

Reg.-No.: 01/205/5558.00/17

Product tested	Stand-alone Safety Logic Controller	Certificate holder	OMRON Corporation Safety Standards Group Shiokoji Horikawa Shimogyo-ku Kyoto 600-8530 Japan
-----------------------	-------------------------------------	---------------------------	--

Type designation	G9SP-N10D, G9SP-N10S, G9SP-N20S
-------------------------	---------------------------------------

Codes and standards	EN 62061:2005 + AC:2010 + A1:2013 + A2:2015 EN ISO 13849-1:2015 EN ISO 13849-2:2012 IEC 61508 Parts 1-7:2010 EN 61131-2:2007 EN 60204-1:2006 + A1:2009	EN ISO 13850:2015 ANSI B11.19:2010 ANSI/RIA R15.06:2012 NFPA 79:2015 ANSI/UL 1998:2013
----------------------------	---	--

Intended application	The devices comply with the requirements of the relevant standards (Cat. 4 / PL e acc. to EN ISO 13849-1, SIL CL 3 acc. to EN 62061, SIL 3 acc. to IEC 61508) and can be used in applications up to Cat. 4 / PL e acc. to EN ISO 13849-1 and SIL 3 acc. to EN 62061 / IEC 61508.
-----------------------------	--

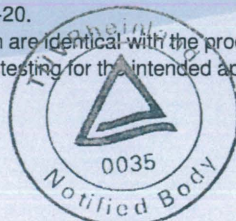
Specific requirements	The instructions of the associated Installation and Operating Manual shall be considered.
------------------------------	---

It is confirmed, that the product tested complies with the requirements for machines defined in Annex I of the EC Directive 2006/42/EC.

Valid until 2022-01-20

The issue of this certificate is based upon an examination, whose results are documented in Report No. 968/EZ 444.13/17 dated 2017-01-20.

This certificate is valid only for products which are identical with the product tested. It becomes invalid at any change of the codes and standards forming the basis of testing for the intended application.



Berlin, 2017-01-20

Notified Body for Machinery, NB 0035

Dipl.-Ing. Eberhard Frejno

Certificate



No.: 968/EL 689.03/17

Product tested	Application examples for the Safety Logic Controllers G9SP Series	Certificate holder	OMRON Corporation Safety Standards Group Shiokoji Horikawa Shimogyo-ku Kyoto 600-8530 Japan
Type designation	-		
Codes and standards	EN ISO 13849-1:2008 + AC:2009 (in extracts)		
Intended application	Applications acc. to EN ISO 13849-1 using G9SP Series Safety Logic Controllers: with Non-Contact Door Switch D40A: Cat. 3 / PL d with Single Beam Type 2 Sensor E3FS / E3ZS: Cat. 2 / PL c with Safety Mats UM Series: Cat. 3 / PL d with Safety Mats UMA Series: Cat. 3 / PL d with AC Servo System OMNUC G5 Series: Cat. 3 / PL c, d with Multi-function Compact Inverter SYSDRIVE MX2 Series: Cat. 3 / PL d with Non-Contact Door Switch D40Z: Cat. 4 / PL e with Safety Edge SGE: Cat. 3 / PL d		
Specific requirements	The associated application example documentation and the Safety Logic Controllers G9SP Operation Manual, Instructions Reference Manual and Instruction Manual, Sensor and Actor Manuals shall be considered.		
Valid until	2022-02-02		


The issue of this certificate is based upon an examination, whose results are documented in Report No. 968/EL 689.03/17 dated 2017-02-02.

This certificate is valid only for products which are identical with the product tested. It becomes invalid at any change of the codes and standards forming the basis of testing for the intended application.

TÜV Rheinland Industrie Service GmbH
Bereich Automation
Funktionale Sicherheit
Am Grauen Stein, 51105 Köln

Köln, 2017-02-02

Certification Body Safety & Security for Automation & Grid


Dipl.-Ing. Stephan Häb

TÜV Rheinland Industrie Service GmbH, Am Grauen Stein, 51105 Köln / Germany
Tel.: +49 221 806-1790, Fax: +49 221 806-1539, E-Mail: industrie-service@de.tuv.com

To: ABC Company

OMRON

Date:2011/6/1


Certification of RoHS Compliance

Company name: OMRON (SHANGHAI) CO., LTD.

Department: Quality & Environment Department

Title: Manager

Name: Kawabata Norihisa

Signature: 

We hereby certify that to be the best of omron's knowledge, our products and components below(including accessories and packing materials)which we supply do not contain the chemical substances listed below at the time of shipment from the factory.

1. Chemical substances not contained:

(1) RoHS regulated six chemical substances

- Not contained means the following substances above the maximum concentration values in homogenous materials are not present in our products and components.

Substances	Maximum Concentration Values
Lead	0.1wt%(1,000ppm)
Cadmium	0.01wt%(100ppm)
Mercury	0.1wt%(1,000ppm)
Hexavalent Chromium	0.1wt%(1,000ppm)
Polybrominated Biphenyls(PBB)	0.1wt%(1,000ppm)
Polybrominated Diphenyl Ethers(PBDE)	0.1wt%(1,000ppm)

- These criteria are not applicable to the RoHS exempted items.

2.Applicable products, components:

	Category	Product Description	Remarks
1	SAFETY CONTROLLER	G9SP-N10S	
2	SAFETY CONTROLLER	G9SP-N10D	
3	SAFETY CONTROLLER	G9SP-N20S	



NOTICE OF AUTHORIZATION TO APPLY THE UL MARK

05/13/2010

Omron Corp
Ms. Margaret Beaumont
Safety Standards Group
lab Quality & Environment Dept
Shiokoji Horikawa, Shimogyo-ku
Kyoto 600-8530, Jp

Our Reference: File E95399, Vol. 1 Project Number 10NK06909
Your Reference: 10OA702
Project Scope: 10OA702 - Model G9SP-N10D, -N10S, -N20S Programmable Controllers

Dear Ms. Margaret Beaumont:

UL's investigation of your product(s) has been completed under the above Reference Number and the product was determined to comply with the applicable requirements.

This letter temporarily supplements the UL Follow-Up Services Procedure and serves as authorization to apply the UL Mark only at authorized factories under UL's Follow-Up Service Program.

To provide the manufacturer with the intended authorization to use the UL Mark, the addressee must send a copy of this notice to each manufacturing location currently authorized in File E95399, Vol. 1.

This authorization is effective from the date of this Notice and only for products at the indicated manufacturing locations. Records in the Follow-Up Services Procedure covering the product are now being prepared and will be sent in the near future. This letter authorizes application of the UL Mark for 90 days from the date of this letter.

Products that bear the UL Mark shall be identical to those that were evaluated by UL and found to comply with UL's requirements. If changes in construction are discovered, appropriate action will be taken for products not in conformance with UL's requirements and continued use of the UL Mark may be withdrawn. UL may elect to withdraw use of the UL Mark if the Applicant or Manufacturer fails to comply with UL's requirements including ongoing compliance of the product, under UL's Follow-Up Service.

Any information and documentation provided to you involving UL Mark services are provided on behalf of Underwriters Laboratories Inc. (UL) or any authorized licensee of UL.

The contents of this Letter are intended solely for the use of UL and the Applicant. The opinions and findings of UL represent its judgment given with due consideration to the necessary limitations of practical operation in accordance with UL's objectives and purposes. UL shall not otherwise be responsible for the use of or reliance upon the contents of this letter by anyone. UL shall not incur any obligation or liability for any loss, expense or damages, including incidental, consequential or punitive damages, arising out of or in connection with the use or reliance upon the contents of this letter to anyone other than the Applicant as provided in the agreement between UL and Applicant. Any use or reference to UL's name or certification mark(s) by anyone other than the Applicant in accordance with the agreement is prohibited without the express written approval of UL.

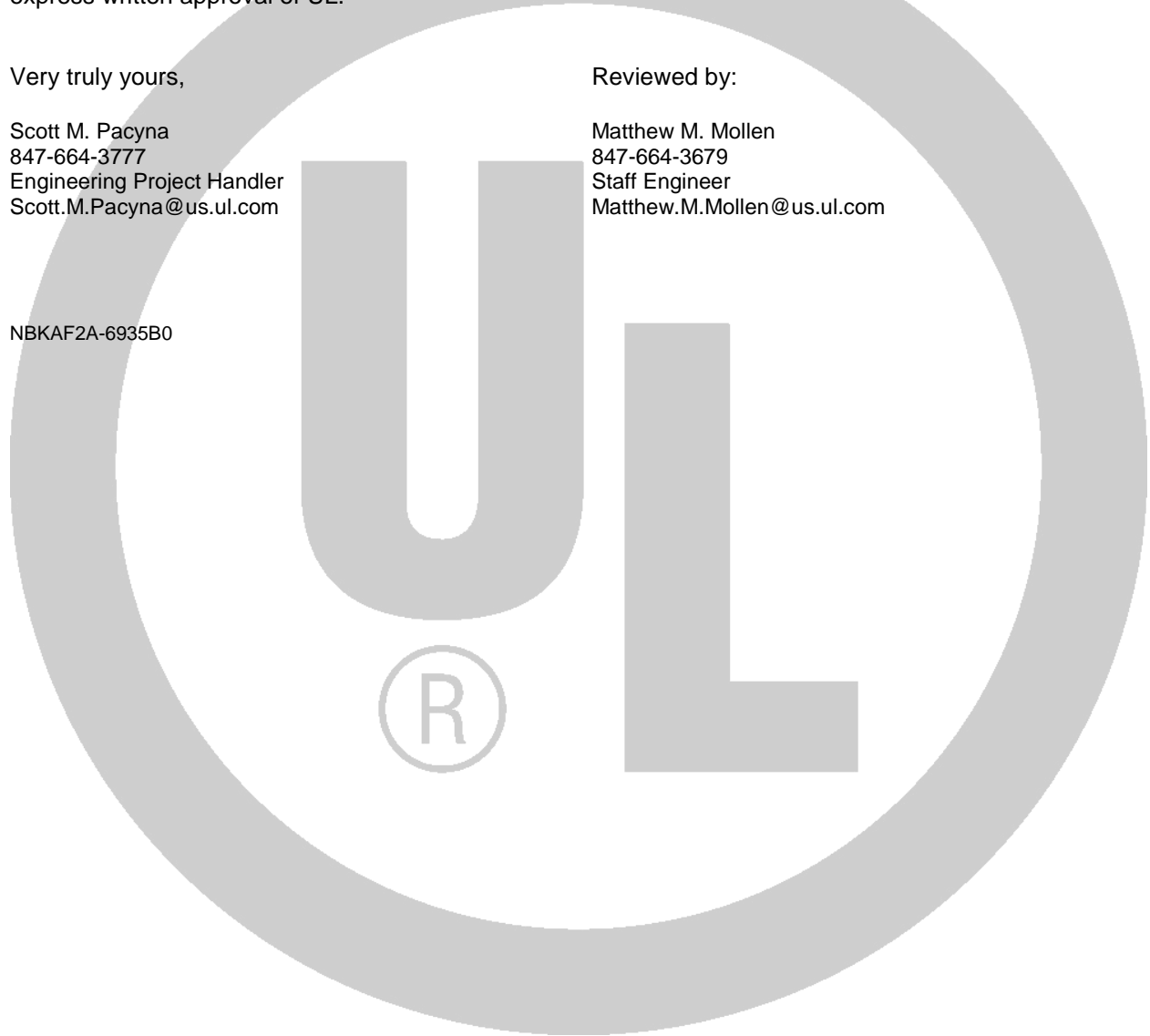
Very truly yours,

Scott M. Pacyna
847-664-3777
Engineering Project Handler
Scott.M.Pacyna@us.ul.com

Reviewed by:

Matthew M. Mollen
847-664-3679
Staff Engineer
Matthew.M.Mollen@us.ul.com

NBKAF2A-6935B0



Links to OMRON Corp Programmable Controllers:

D40A, G9SX-NS, NE1A-SCPU01, DST1, CQM1-SF200, CS1W-SF200, G9SX, G9SX-GS, etc.

G9S Series: G9S, **G9SP**, G9SA, G9SB, (and various OMRON Programmable Controllers - intended for use as components of complete equipment submitted for investigation)

Company Name	Category Name	Link to File
OMRON CORP	Programmable Controllers	<i>NRAQ.E95399</i>
OMRON CORP	Programmable Controllers - Component	<i>NRAQ2.E95399</i>
OMRON CORP	Programmable Controllers Certified for Canada	<i>NRAQ7.E95399</i>
OMRON CORP	Programmable Controllers Certified for Canada - Component	<i>NRAQ8.E95399</i>

[See General Information for Programmable Controllers](#)

[See General Information for Programmable Controllers Certified for Canada](#)

[See General Information for Programmable Controllers - Component](#)

[See General Information for Programmable Controllers Certified for Canada - Component](#)



NRAQ.E95399 Programmable Controllers

[Page Bottom](#)

Programmable Controllers

[See General Information for Programmable Controllers](#)

OMRON CORP

E95399

SAFETY STANDARDS GROUP
IAB GLOBAL QUALITY CENTER
SHIOKOJI HORIKAWA
SHIMOGYO-KU, KYOTO 600-8530 JAPAN

OMRON

Trademark and/or Tradename:

Investigated to ANSI/UL 508

3F88L Series cam positioners Model(s) 3F88L-160, 3F88L-162

Accessory connector harness Model(s) XW2Z Series, followed by -, followed by a three digit suffixes, followed by X, K or Y.*

Accessory motion module to wire terminal cables Model(s) XW2Z-, followed by 001 thru 999, followed by J-, followed by A28, A30 or A31.*

Analog I/O terminals Model(s) SRT2, followed by -AD or -DA, may be followed by -02 or -04, may be followed by -300 thru -999.

Analog I/O units Model(s) GT1, followed by -AD, -DA or -TS, may be followed by -04 or -08, may be followed by -T or -P, may be followed by -MX, may be followed by CST, may be followed by -300 thru-999.

Analog input/output terminals Model(s) DRT1, may be followed by AD, DA or TS, may be followed by 02 or 04, may be followed by H, P or T.

SRM1, may be followed by C, may be followed by 01 or 02, may be followed by V1 or V2, may be followed by -300 thru -999.

Battery units Model(s) ZEN-BAT01*

C500 input temperature modules Model(s) C500-TS501*

Communication adaptors Model(s) ITNC-SGB01

Communication interface units Model(s) ZEN-CIF01*

Communication modules, profibus DP slave units Model(s) PRT1-COM*

Communication units Model(s) DRT1-COM*

Communication units connecting to device net Model(s) DRT1, followed by -232C, may be followed by -2, -3 or -4, may be followed by -300 thru -999.

Communication units connecting to device net, open type Model(s) NT-DRT21*

Counter units for communication units Model(s) GT1, followed by -CT01, may be followed by -300 thru -999.

Counter units, for use with Sereis C200H programmable controllers Model(s) C500-CT021

Coupling modules, microinterfaces Model(s) P2RVC-8-I-D, P2RVC-8-I-F, P2RVC-8-O-D, P2RVC-8-O-F

CPM2C Series power supplies Model(s) CQM2C-PA201

CPU units Model(s) ZEN, followed by 10 or 20, followed by C, followed by 1 or 2, followed by A or D, followed by R or T, followed by A or D.*

ZEN, followed by 10 or 20, followed by C, followed by 1, 2, 3 or 4, followed by A, followed by R, followed by A, followed by V2*

ZEN, followed by 10 or 20, followed by C, followed by 1, 2, 3 or 4, followed by D, followed by R or T, followed -D, followed by -V2.*

ZEN-8E1DR*, ZEN-8E1DT*

NT631, may be followed by C, followed by S, followed by T, followed by 1 or 2, followed by 1, 4 or 5, followed by 1 thru 8, may be followed by B, may be followed by E, may be followed by OSK.

NTE31, may be followed by C, followed by T, followed by T, followed by 1, followed by 2 or 4, followed by 1 thru 8, may be followed by B, may be followed by E.*

Remote I/O terminals DST1 Series inputs and test outputs, open type Model(s) DST1-ID12SL-1*, DST1-ID12SL-1-SM*

Remote I/O terminals DST1 Series inputs, test outputs and relay outputs, open type Model(s) DST1-MRD08SL-1*, DST1-MRD08SL-1-SM*, DST1-XD0808SL-1*

Remote I/O terminals DST1 Series inputs, test outputs and semiconductor outputs, open type Model(s) DST1-MD16SL-1-SM*

Remote I/O terminals DST1 Series Series inputs, test outputs and relay outputs, open type Model(s) DST1-MRD08SL-1-BH*

Remote I/O terminals DST1 Series Series inputs, test outputs and semiconductor outputs, open type Model(s) DST1-MD16SL-1*

Remote terminals Model(s) ERT1 followed by HD or WD, followed by 16, followed by C, followed by H, followed by 1, may be followed by additional letter(s) and/or number(s).

FRT1-HD16CH-1*, FRT1-ID08C-1*, FRT1-WD16CH-1*, FRT1-WE16C-1*

Single CPU and single power supply base backplanes Model(s) CS1W-BC022*, CS1W-BC023*, CS1W-BC032*, CS1W-BC033*, CS1W-BC052*, CS1W-BC053*, CS1W-BC082*, CS1W-BC083*, CS1W-BC102*, CS1W-BC103*

Single power supply expansion backplanes Model(s) CS1W-BI0103*, CS1W-BI032*, CS1W-BI033*, CS1W-BI052*, CS1W-BI053*, CS1W-BI082*, CS1W-BI083*, CS1W-BI102*

Stand-alone controllers Model(s) G9SP-N10D*, G9SP-N10S*, G9SP-N20S*, G9SP-N20S-DW*

Standstill monitoring units, open type Model(s) G9SX-SM, followed by 0 or 2, followed by 2 or 3, followed by 2 or 4, followed by F10 or none, followed by RT or RC.

Sysmac-C1000H and Sysmac-C2000H Series batteries Model(s) 3G2A9-BAT08

Sysmac-C1000H and Sysmac-C2000H Series CPU expansion I/O racks Model(s) 3G2A5-BI051, 3G2A5-BI081, 3G2A5-II0023, 3G2A5-PS212, 3G2A5-PS212-E, 3G2A5-PS222, 3G2A5-PS222-E, 3G2C5-BI082, 3G2C5-BI083, 3G2C5-IOD02

Sysmac-C1000H and Sysmac-C2000H Series CPU racks and associate units Model(s) 3G2A5-BC051, 3G2A5-BC081, 3G2A5-II101, 3G2A5-PS211, 3G2A5-PS211-E, 3G2A5-PS221, 3G2A5-PS221-E, 3G2A5-PS223, 3G2A5-PS223-E, 3G2C5-BC001, 3G2C5-BC061, 3G2C5-DPL01, 3G2C5-DPL01-E, 3G2C5-DPL01-E, 3G2C5-IOD01, 3G2C5-MP341, 3G2C5-MR141, 3G2C5-MR241, 3G2C5-MR341, 3G2C5-MR831, C1000H-CPU01, C1000H-CPU01-E, C1000H-CPUA1, C1000H-CPUA1-E, C1000H-FMR11, C1000H-FMR21, C2000H-CPU01, C2000H-CPU01-E

Sysmac-C1000H and Sysmac-C2000H Series I/O connecting cables Model(s) 3G2A5-CN111, 3G2A5-CN121, 3G2A5-CN122, 3G2A5-CN123, 3G2A5-CN222, 3G2A5-CN223, 3G2A5-CN312, 3G2A5-CN313, 3G2A5-CN511, 3G2A5-CN512, 3G2A5-CN513, 3G2A5-CN812, 3G2A5-CN813

Sysmac-C1000H and Sysmac-C2000H Series positioning control units Model(s) 3G2A5-IF101, 3G2A5-IF101-E, 3G2A5-NC103, 3G2A5-NC103-E, 3G2A5-NC111, 3G2A5-NC111-E, 3G2A5-NC121, 3G2A5-TU001, 3G2A5-TU001-E, C500-CP131, C500-NC112, C500-NC112-E, C500-NC221

Sysmac-C1000H and Sysmac-C2000H Series power supply adaptors Model(s) C100H-APS01

Sysmac-C1000H and Sysmac-C2000H Series special I/O units Model(s) 3G2A5-AD001, 3G2A5-AD002, 3G2A5-AD003, 3G2A5-AD004, 3G2A5-AD005, 3G2A5-AD006, 3G2A5-AD007, 3G2A5-DA001, 3G2A5-DA002, 3G2A5-DA003, 3G2A5-DA004, 3G2A5-DA005, 3G2A5-IF101, C1000H-SLK11, C500-AD101, C500-DA101

Sysmac-C1000H and Sysmac-C2000H Series standard input units Model(s) 3G2A5-DUM01, 3G2A5-IA121, 3G2A5-IA122-E, 3G2A5-ID112, 3G2A5-ID212, 3G2A5-ID213, 3G2A5-ID215, 3G2A5-ID216, 3G2A5-ID218, 3G2A5-ID219, 3G2A5-IM211, 3G2A5-IM212

Sysmac-C1000H and Sysmac-C2000H Series standard output units Model(s) 3G2A5-OA121, 3G2A5-OA222, 3G2A5-OA223, 3G2A5-OC221, 3G2A5-OC223, 3G2A5-OC224-E, 3G2A5-OD211, 3G2A5-OD212, 3G2A5-OD213, 3G2A5-OD215, 3G2A5-OD411, 3G2A5-OD412, C500-OD219

Sysmac-C120 Series batteries Model(s) 3G2A9-BAT08

Sysmac-C120 Series CPU racks Model(s) 3G2C4-SCA22, 3G2C4-SCA22-E, 3G2C4-SCA23, 3G2C4-SCA23-E, 3G2C4-SCA24, 3G2C4-SCA24-E, 3G2C4-SCK23, 3G2C4-SCK23-E, 3G2C4-SCK24, 3G2C4-SCK24-E, 3G2C4-SCO21, 3G2C4-SCO21-E, 3G2C4-SCO22, 3G2C4-SCO22-E, 3G2C4-SCO23, 3G2C4-SCO23-E, 3G2C4-SCO24, 3G2C4-SCO24-E

Sysmac-C120 Series I/O connecting cables Model(s) 3G2A5-CN111, 3G2A5-CN121, 3G2A5-CN122, 3G2A5-CN222, 3G2A5-CN312, 3G2A5-CN511, 3G2A5-CN512, 3G2A5-CN812

Sysmac-C120 Series I/O racks Model(s) 3G2C4-SI021, 3G2C4-SI022, 3G2C4-SI025, 3G2C4-SI026

Sysmac-C120 Series programming consoles Model(s) 3G2A6-PRO15, 3G2A6-PRO15-E, 3G2A6-PRO20, 3G2A6-PRO20-E, 3G2A6-PRO25, 3G2A6-PRO25-E

Sysmac-C120 Series special I/O modules Model(s) 3G2A6-AD001, 3G2A6-AD002, 3G2A6-AD003, 3G2A6-AD004, 3G2A6-AD005, 3G2A6-AD006, 3G2A6-AD007, 3G2A6-DA001, 3G2A6-DA002, 3G2A6-DA003, 3G2A6-DA004, 3G2A6-DA005

Sysmac-C120 Series standard input modules Model(s) 3G2A6-DUM01, 3G2A6-IA121, 3G2A6-ID112, 3G2A6-ID212, 3G2A6-ID213, 3G2A6-ID216, 3G2A6-ID217, 3G2A6-IM111, 3G2A6-IM211, 3G2A6-IM213

Sysmac-C120 Series standard output modules Model(s) 3G2A6-OA121, 3G2A6-OA222, 3G2A6-OC221, 3G2A6-OD211, 3G2A6-OD212, 3G2A6-OD216, 3G2A6-OD411, 3G2A6-OD412

Sysmac-CV500, CV1000, CVM1, CVM1D and CV2000 Series expansion I/O racks and associated units Model(s) CV500-BI042, CV500-BI062, CV500-BI111, CV500-BI112, CV500-BI113, CV500-BI114, CV500-II1101, CV500-II1201, CVM1-BI064, CVM1-BI114, CVM1D-BI101, CVM1D-BI102

Sysmac-CV500, CV1000, CVM1, CVM1D and CV2000 Series interface units Model(s) CVM1-CIF11, CVM1-CIF21

Sysmac-CV500, CV1000, CVM1, CVM1D and CV2000 Series ISA control units Model(s) CV500-ISP01, CV500-ISP02

Sysmac-CV500, CV1000, CVM1, CVM1D and CV2000 Series ISA sub-backplane units Model(s) CV500-ISB01, CV500-ISB02

Sysmac-CV500, CV1000, CVM1, CVM1D and CV2000 Series memory units Model(s) CVM1-MP702, CVM1-MP703

Sysmac-CV500, CV1000, CVM1, CVM1D and CV2000 Series PC link units Model(s) CVM1-LK401

Sysmac-CV500, CV1000, CVM1, CVM1D and CV2000 Series personal computer units Model(s) CV500-VP111, CV500-VP121, CV500-VP213, CV500-VP217, CV500-VP223, CV500-VP227

Sysmac-CV500, CV1000, CVM1, CVM1D and CV2000 Series positioning control units Model(s) 3G2A5-IF101, 3G2A5-IF101-E, 3G2A5-NC103, 3G2A5-NC103-E, 3G2A5-NC111, 3G2A5-NC111-E, 3G2A5-NC121, 3G2A5-TU001, 3G2A5-TU001-E, C500-CP131, C500-NC221, C500-TU002, CV500-MC221, CV500-MC421

Sysmac-CV500, CV1000, CVM1, CVM1D and CV2000 Series power supply units Model(s) CV500-IPS01, CV500-PS211, CV500-PS221, CVM1-PA208, CVM1D-PA208, CVM1D-PA212

Sysmac-CV500, CV1000, CVM1, CVM1D and CV2000 Series programmable controllers Model(s) CV1000, CV2000, CV500, CVM1, CVM1D

Sysmac-CV500, CV1000, CVM1, CVM1D and CV2000 Series programming consoles Model(s) CVM1-PRO01

Sysmac-CV500, CV1000, CVM1, CVM1D and CV2000 Series RAM disk boards Model(s) CV500-MR261, CV500-MR262

Sysmac-CV500, CV1000, CVM1, CVM1D and CV2000 Series special I/O units Model(s) 3G2A5-AD001, 3G2A5-AD002, 3G2A5-AD003, 3G2A5-AD004, 3G2A5-AD005, 3G2A5-AD006, 3G2A5-AD007, 3G2A5-DA001, 3G2A5-DA002, 3G2A5-DA003, 3G2A5-DA004, 3G2A5-DA005, C500-AD101, C500-DA101

Sysmac-CV500, CV1000, CVM1, CVM1D and CV2000 Series standard input units Model(s) 3G2A5-DUM01, 3G2A5-IA121, 3G2A5-IA122-E, 3G2A5-ID112, 3G2A5-ID212, 3G2A5-ID213, 3G2A5-ID215, 3G2A5-ID216, 3G2A5-ID218, 3G2A5-ID219, 3G2A5-IM211, 3G2A5-IM212

Sysmac-CV500, CV1000, CVM1, CVM1D and CV2000 Series standard output units Model(s) 3G2A5-OA121, 3G2A5-OA222, 3G2A5-OA223, 3G2A5-OC221, 3G2A5-OC223, 3G2A5-OC224-E, 3G2A5-OD211, 3G2A5-OD212, 3G2A5-OD213, 3G2A5-OD215, 3G2A5-OD411, 3G2A5-OD412, C500-OD219

Sysmac-CV500, CV1000, CVM1, CVM1D and CV2000 Series terminator units Model(s) CV500-TER01

Sysmac-SK20 programmable controllers Model(s) SK20

Sysmac-SP10 programmable controllers Model(s) SP10-DRA*, SP10-DRD*, SP10-DTA*, SP10-DTD*

Sysmac-SP10, -SP16 or -SP20 communication units (link adaptors) Model(s) SP10-AL001

Sysmac-SP16 programmable controllers Model(s) SP16-DRA*, SP16-DRD*, SP16-DTA*, SP16-DTD*

Sysmac-SP20 programmable controllers Model(s) SP20-DRA*, SP20-DRD*, SP20-DTA*, SP20-DTD*

Temperature controller units Model(s) CQM1-TC, may be followed by 0, 1, 2 or 3, followed by 0, may be followed by 1, 2, 3 or 4, may be followed by letters and/or numbers, may be followed by -300 thru -999.

Terminals Model(s) DRT1 or SRT2, followed by ID or OD, followed by 04 or 08, followed by CL, may be followed by 1*

Trajexia TJ1 and TJ2 Series CANopen slave units, open type Model(s) TJ1-CORT

Trajexia TJ1 and TJ2 Series DeviceNet slave units, open type Model(s) TJ1-DRT

Trajexia TJ1 and TJ2 Series EtherCat master units, open type Model(s) TJ2-ECT04, TJ2-ECT16, TJ2-ECT64

Trajexia TJ1 and TJ2 Series flexible axis units, open type Model(s) TJ1-FL02

Trajexia TJ1 and TJ2 Series G5 Serial interface units, open type Model(s) TJ2-KS02

Trajexia TJ1 and TJ2 Series Mechatrolink-II master units, open type Model(s) TJ1-ML04, TJ1-ML16

Trajexia TJ1 and TJ2 Series motion control units, open type Model(s) TJ1-MC04, TJ1-MC16, TJ2-MC02, TJ2-MC64

Trajexia TJ1 and TJ2 Series profibus DP slave units, open type Model(s) TJ1-PRT

Trajexia TJ1 and TJ2 Series terminator units, open type Model(s) TJ1-TER

Wireless communication transceivers Model(s) WD30-ME or WD30-SE, may be followed by 01, may be followed by letter(s) and/or number(s) (1 to 4 digits).

Wireless terminals Model(s) WT30-M or WT30-S, may be followed by 01, ID or MD, may be followed by 16, may be followed by -1, may be followed by -FLK, may be followed by AT001, AT002 or AT003, may be followed by 30 thru 99 or 200 thru 299.

Investigated to UL 61010-1 and UL 61010-2-201

Compact vision system, FH series, Controller Model(s) FH followed by -L, followed by 550, may be followed by -10, may be followed by additional letter(s) or number(s) for sales purpose

Enclosed, Programmable controllers Model(s) V680S followed by HMD, followed by 63, followed by ETN may be followed by additional letter(s) and/or number(s) for sales purposes.

V680S-HMD63, followed by -EIP or -PNT, V680S-HMD64-EIP, V680S-HMD64-PNT, V680S-HMD66, followed by -EIP or -PNT

I/O Relay Terminals, Open type Model(s) G70V, followed by -SID or -SOC, followed by 16, followed by P, may be followed by -1, may be followed by -C16 or -C4, may be followed by any suffix(es)

- Above type names may be followed by additional letter(s) and/or number(s) for sales purposes.

* - May be followed by letters and/or numbers.

Last Updated on 2017-02-21

[Questions?](#)

[Print this page](#)

[Terms of Use](#)

[Page Top](#)

© 2017 UL LLC

The appearance of a company's name or product in this database does not in itself assure that products so identified have been manufactured under UL's Follow-Up Service. Only those products bearing the UL Mark should be considered to be Certified and covered under UL's Follow-Up Service. Always look for the Mark on the product.

UL permits the reproduction of the material contained in the Online Certification Directory subject to the following conditions: 1. The Guide Information, Assemblies, Constructions, Designs, Systems, and/or Certifications (files) must be presented in their entirety and in a non-misleading manner, without any manipulation of the data (or drawings). 2. The statement "Reprinted from the Online Certifications Directory with permission from UL" must appear adjacent to the extracted material. In addition, the reprinted material must include a copyright notice in the following format: "© 2017 UL LLC".



NRAQ7.E95399 Programmable Controllers Certified for Canada

[Page Bottom](#)

Programmable Controllers Certified for Canada

[See General Information for Programmable Controllers Certified for Canada](#)

OMRON CORP

E95399

SAFETY STANDARDS GROUP
IAB GLOBAL QUALITY CENTER
SHIOKOJI HORIKAWA
SHIMOGYO-KU, KYOTO 600-8530 JAPAN

Investigated to CAN/CSA C22.2 No. 142

3F88L Series cam positioners Model(s) 3F88L-160, 3F88L-162

Accessory connector harness Model(s) XW2Z Series, followed by -, followed by a three digit suffixes, followed by X, K or Y.*

Accessory motion module to wire terminal cables Model(s) XW2Z-, followed by 001 thru 999, followed by J-, followed by A28, A30 or A31.*

Analog I/O terminals Model(s) SRT2, followed by -AD or -DA, may be followed by -02 or -04, may be followed by -300 thru -999.

Analog I/O units Model(s) GT1, followed by -AD, -DA or -TS, may be followed by -04 or -08, may be followed by -T or -P, may be followed by -MX, may be followed by CST, may be followed by -300 thru-999.

Analog input/output terminals Model(s) DRT1, may be followed by AD, DA or TS, may be followed by 02 or 04, may be followed by H, P or T.

SRM1, may be followed by C, may be followed by 01 or 02, may be followed by V1 or V2, may be followed by -300 thru -999.

Battery units Model(s) ZEN-BAT01*

Communication adaptors Model(s) ITNC-SGB01

Communication interface units Model(s) ZEN-CIF01*

Communication modules, profibus DP slave units Model(s) PRT1-COM*

Communication units Model(s) DRT1-COM*

Communication units connecting to device net Model(s) DRT1, followed by -232C, may be followed by -2, -3 or -4, may be followed by -300 thru -999.

Communication units connecting to device net, open type Model(s) NT-DRT21*

Counter units for communication units Model(s) GT1, followed by -CT01, may be followed by -300 thru -999.

Counter units, for use with Sereis C200H programmable controllers Model(s) C500-CT021

CPM2C Series power supplies Model(s) CQM2C-PA201

CPU units Model(s) ZEN, followed by 10 or 20, followed by C, followed by 1 or 2, followed by A or D, followed by R or T, followed by A or D.*

ZEN, followed by 10 or 20, followed by C, followed by 1, 2, 3 or 4, followed by A, followed by R, followed by A, followed by V2*

ZEN, followed by 10 or 20, followed by C, followed by 1, 2, 3 or 4, followed by D, followed by R or T, followed -D, followed by -V2.*

ZEN-8E1DR*, ZEN-8E1DT*

CV500 temperature controller data link units Model(s) CV500-TDL21

Ethernet switching bubs, "W4S1 Series" Model(s) W4S1-03B*, W4S1-05B*

Expansion I/O units Model(s) ZEN-4EAR*, ZEN-4EDR*, ZEN-8E1-AR*, ZEN-8EAR*, ZEN-8EDR*, ZEN-EDR*

FL remote IDs Model(s) B680-HAM81*, B680-HAM91*, V680-HAM42-DRT*, V680-HAM42-FRT*

G9SX Series programmable controllers, open type Model(s) G9SX, followed by AD, BC, EX or ADA, followed by 0, 1, 2, 3 or 4, followed by 0, 1, 2, 3 or 4, followed by 0, 1 or 2, may be followed by 1 or 2, followed by blank, T, T005, T01, T15 or T150, may be followed by additional suffix, followed by RT or RC.

FRT1-HD16CH-1*, FRT1-ID08C-1*, FRT1-WD16CH-1*, FRT1-WE16C-1*

Single CPU and single power supply base backplanes Model(s) CS1W-BC022*, CS1W-BC023*, CS1W-BC032*, CS1W-BC033*, CS1W-BC052*, CS1W-BC053*, CS1W-BC082*, CS1W-BC083*, CS1W-BC102*, CS1W-BC103*

Single power supply expansion backplanes Model(s) CS1W-BI0103*, CS1W-BI032*, CS1W-BI033*, CS1W-BI052*, CS1W-BI053*, CS1W-BI082*, CS1W-BI083*, CS1W-BI102*

Stand-alone controllers Model(s) G9SP-N10D*, G9SP-N10S*, G9SP-N20S*, G9SP-N20S-DW*

Standstill monitoring units, open type Model(s) G9SX-SM, followed by 0 or 2, followed by 2 or 3, followed by 2 or 4, followed by F10 or none, followed by RT or RC.

Sysmac-C1000H and Sysmac-C2000H Series batteries Model(s) 3G2A9-BAT08

Sysmac-C1000H and Sysmac-C2000H Series CPU expansion I/O racks Model(s) 3G2A5-BI051, 3G2A5-BI081, 3G2A5-II0023, 3G2A5-PS212, 3G2A5-PS212-E, 3G2A5-PS222, 3G2A5-PS222-E, 3G2C5-BI082, 3G2C5-BI083, 3G2C5-IOD02

Sysmac-C1000H and Sysmac-C2000H Series CPU racks and associate units Model(s) 3G2A5-BC051, 3G2A5-BC081, 3G2A5-II101, 3G2A5-PS211, 3G2A5-PS211-E, 3G2A5-PS221, 3G2A5-PS221-E, 3G2A5-PS223, 3G2A5-PS223-E, 3G2C5-BC001, 3G2C5-BC061, 3G2C5-DPL01, 3G2C5-DPL01-E, 3G2C5-DPL01-E, 3G2C5-IOD01, 3G2C5-MP341, 3G2C5-MR141, 3G2C5-MR241, 3G2C5-MR341, 3G2C5-MR831, C1000H-CPU01, C1000H-CPU01-E, C1000H-CPUA1, C1000H-CPUA1-E, C1000H-FMR11, C1000H-FMR21, C2000H-CPU01, C2000H-CPU01-E

Sysmac-C1000H and Sysmac-C2000H Series I/O connecting cables Model(s) 3G2A5-CN111, 3G2A5-CN121, 3G2A5-CN122, 3G2A5-CN123, 3G2A5-CN222, 3G2A5-CN223, 3G2A5-CN312, 3G2A5-CN313, 3G2A5-CN511, 3G2A5-CN512, 3G2A5-CN513, 3G2A5-CN812, 3G2A5-CN813

Sysmac-C1000H and Sysmac-C2000H Series positioning control units Model(s) 3G2A5-IF101, 3G2A5-IF101-E, 3G2A5-NC103, 3G2A5-NC103-E, 3G2A5-NC111, 3G2A5-NC111-E, 3G2A5-NC121, 3G2A5-TU001, 3G2A5-TU001-E, C500-CP131, C500-NC112, C500-NC112-E, C500-NC221

Sysmac-C1000H and Sysmac-C2000H Series power supply adaptors Model(s) C100H-APS01

Sysmac-C1000H and Sysmac-C2000H Series special I/O units Model(s) 3G2A5-AD001, 3G2A5-AD002, 3G2A5-AD003, 3G2A5-AD004, 3G2A5-AD005, 3G2A5-AD006, 3G2A5-AD007, 3G2A5-DA001, 3G2A5-DA002, 3G2A5-DA003, 3G2A5-DA004, 3G2A5-DA005, 3G2A5-IF101, C1000H-SLK11, C500-AD101, C500-DA101

Sysmac-C1000H and Sysmac-C2000H Series standard input units Model(s) 3G2A5-DUM01, 3G2A5-IA121, 3G2A5-IA122-E, 3G2A5-ID112, 3G2A5-ID212, 3G2A5-ID213, 3G2A5-ID215, 3G2A5-ID216, 3G2A5-ID218, 3G2A5-ID219, 3G2A5-IM211, 3G2A5-IM212

Sysmac-C1000H and Sysmac-C2000H Series standard output units Model(s) 3G2A5-OA121, 3G2A5-OA222, 3G2A5-OA223, 3G2A5-OC221, 3G2A5-OC223, 3G2A5-OC224-E, 3G2A5-OD211, 3G2A5-OD212, 3G2A5-OD213, 3G2A5-OD215, 3G2A5-OD411, 3G2A5-OD412, C500-OD219

Sysmac-C120 Series batteries Model(s) 3G2A9-BAT08

Sysmac-C120 Series CPU racks Model(s) 3G2C4-SCA22, 3G2C4-SCA22-E, 3G2C4-SCA23, 3G2C4-SCA23-E, 3G2C4-SCA24, 3G2C4-SCA24-E, 3G2C4-SCK23, 3G2C4-SCK23-E, 3G2C4-SCK24, 3G2C4-SCK24-E, 3G2C4-SCO21, 3G2C4-SCO21-E, 3G2C4-SCO22, 3G2C4-SCO22-E, 3G2C4-SCO23, 3G2C4-SCO23-E, 3G2C4-SCO24, 3G2C4-SCO24-E

Sysmac-C120 Series I/O connecting cables Model(s) 3G2A5-CN111, 3G2A5-CN121, 3G2A5-CN122, 3G2A5-CN222, 3G2A5-CN312, 3G2A5-CN511, 3G2A5-CN512, 3G2A5-CN812

Sysmac-C120 Series I/O racks Model(s) 3G2C4-SI021, 3G2C4-SI022, 3G2C4-SI025, 3G2C4-SI026

Sysmac-C120 Series programming consoles Model(s) 3G2A6-PRO15, 3G2A6-PRO15-E, 3G2A6-PRO20, 3G2A6-PRO20-E, 3G2A6-PRO25, 3G2A6-PRO25-E

Sysmac-C120 Series special I/O modules Model(s) 3G2A6-AD001, 3G2A6-AD002, 3G2A6-AD003, 3G2A6-AD004, 3G2A6-AD005, 3G2A6-AD006, 3G2A6-AD007, 3G2A6-DA001, 3G2A6-DA002, 3G2A6-DA003, 3G2A6-DA004, 3G2A6-DA005

Sysmac-C120 Series standard input modules Model(s) 3G2A6-DUM01, 3G2A6-IA121, 3G2A6-ID112, 3G2A6-ID212, 3G2A6-ID213, 3G2A6-ID216, 3G2A6-ID217, 3G2A6-IM111, 3G2A6-IM211, 3G2A6-IM213

Sysmac-C120 Series standard output modules Model(s) 3G2A6-OA121, 3G2A6-OA222, 3G2A6-OC221, 3G2A6-OD211, 3G2A6-OD212, 3G2A6-OD216, 3G2A6-OD411, 3G2A6-OD412

Sysmac-C200 and Sysmac-C200HS standard output modules Model(s) C200H-OC226N

Sysmac-C200H and Sysmac-C200HS Series ASCII units Model(s) C200H-ASC02, C200H-ASC11, C200H-ASC21, C200H-ASC31

Sysmac-C200H and Sysmac-C200HS Series batteries Model(s) C200H-BAT09

Sysmac-C200H and Sysmac-C200HS Series CPU racks and associated units Model(s) C200H-BC031, C200H-BC051, C200H-BC081, C200H-BC101, C200H-CPU01, C200H-CPU01-E, C200H-CPU03, C200H-CPU03-E, C200H-CPU11, C200H-CPU21, C200H-CPU22, C200H-CPU23, C200H-CPU31, C200H-ME431, C200H-ME432, C200H-ME432, C200H-ME831, C200H-ME832, C200H-ME832, C200H-MP831, C200H-MR431, C200H-MR433, C200H-MR831, C200H-MR833, C200HS-CPU01, C200HS-CPU03, C200HS-CPU21, C200HS-CPU23, C200HS-CPU31, C200HS-CPU33, C200HS-ME16K, C200HS-MP16K

Sysmac-C200H and Sysmac-C200HS Series expansion I/O racks Model(s) C200H-PS211, C200H-PS221

Sysmac-C200H and Sysmac-C200HS Series I/O connecting cables Model(s) C200H-CN131, C200H-CN221, C200H-CN311, C200H-CN521, C200H-CN711

Sysmac-C200H and Sysmac-C200HS Series power supply adapters Model(s) C200H-APS03

Sysmac-C200H and Sysmac-C200HS Series programming console connecting cables Model(s) C200H-CN222, C200H-CN422

Sysmac-CV500, CV1000, CVM1, CVM1D and CV2000 Series programmable controllers Model(s) CV1000, CV2000, CV500, CVM1, CVM1D

Sysmac-CV500, CV1000, CVM1, CVM1D and CV2000 Series programming consoles Model(s) CVMI-PRO01

Sysmac-CV500, CV1000, CVM1, CVM1D and CV2000 Series RAM disk boards Model(s) CV500-MR261, CV500-MR262

Sysmac-CV500, CV1000, CVM1, CVM1D and CV2000 Series special I/O units Model(s) 3G2A5-AD001, 3G2A5-AD002, 3G2A5-AD003, 3G2A5-AD004, 3G2A5-AD005, 3G2A5-AD006, 3G2A5-AD007, 3G2A5-DA001, 3G2A5-DA002, 3G2A5-DA003, 3G2A5-DA004, 3G2A5-DA005, C500-AD101, C500-DA101

Sysmac-CV500, CV1000, CVM1, CVM1D and CV2000 Series standard input units Model(s) 3G2A5-DUM01, 3G2A5-IA121, 3G2A5-IA122-E, 3G2A5-ID112, 3G2A5-ID212, 3G2A5-ID213, 3G2A5-ID215, 3G2A5-ID216, 3G2A5-ID218, 3G2A5-ID219, 3G2A5-IM211, 3G2A5-IM212

Sysmac-CV500, CV1000, CVM1, CVM1D and CV2000 Series standard output units Model(s) 3G2A5-OA121, 3G2A5-OA222, 3G2A5-OA223, 3G2A5-OC221, 3G2A5-OC223, 3G2A5-OC224-E, 3G2A5-OD211, 3G2A5-OD212, 3G2A5-OD213, 3G2A5-OD215, 3G2A5-OD411, 3G2A5-OD412, C500-OD219

Sysmac-CV500, CV1000, CVM1, CVM1D and CV2000 Series terminator units Model(s) CV500-TER01

Sysmac-SK20 programmable controllers Model(s) SK20

Sysmac-SP10 programmable controllers Model(s) SP10-DRA*, SP10-DRD*, SP10-DTA*, SP10-DTD*

Sysmac-SP10, -SP16 or -SP20 communication units (link adaptors) Model(s) SP10-AL001

Sysmac-SP16 programmable controllers Model(s) SP16-DRA*, SP16-DRD*, SP16-DTA*, SP16-DTD*

Sysmac-SP20 programmable controllers Model(s) SP20-DRA*, SP20-DRD*, SP20-DTA*, SP20-DTD*

Temperature controller units Model(s) CQM1-TC, may be followed by 0, 1, 2 or 3, followed by 0, may be followed by 1, 2, 3 or 4, may be followed by letters and/or numbers, may be followed by -300 thru -999.

Terminals Model(s) DRT1 or SRT2, followed by ID or OD, followed by 04 or 08, followed by CL, may be followed by 1*

Trajexia TJ1 and TJ2 Series CANopen slave units, open type Model(s) TJ1-CORT

Trajexia TJ1 and TJ2 Series DeviceNet slave units, open type Model(s) TJ1-DRT

Trajexia TJ1 and TJ2 Series EtherCat master units, open type Model(s) TJ2-ECT04, TJ2-ECT16, TJ2-ECT64

Trajexia TJ1 and TJ2 Series flexible axis units, open type Model(s) TJ1-FL02

Trajexia TJ1 and TJ2 Series G5 Serial interface units, open type Model(s) TJ2-KS02

Trajexia TJ1 and TJ2 Series Mechatrolink-II master units, open type Model(s) TJ1-ML04, TJ1-ML16

Trajexia TJ1 and TJ2 Series motion control units, open type Model(s) TJ1-MC04, TJ1-MC16, TJ2-MC02, TJ2-MC64

Trajexia TJ1 and TJ2 Series profibus DP slave units, open type Model(s) TJ1-PRT

Trajexia TJ1 and TJ2 Series terminator units, open type Model(s) TJ1-TER

Wireless communication transceivers Model(s) WD30-ME or WD30-SE, may be followed by 01, may be followed by letter(s) and/or number(s) (1 to 4 digits).

Wireless terminals Model(s) WT30-M or WT30-S, may be followed by 01, ID or MD, may be followed by 16, may be followed by -1, may be followed by -FLK, may be followed by AT001, AT002 or AT003, may be followed by 30 thru 99 or 200 thru 299.

Investigated to CAN/CSA-C22.2 No.61010-1 and CAN/CSA-C22.2 No.61010-2-201

Compact vision system, FH series, Controller Model(s) FH followed by -L, followed by 550, may be followed by -10, may be followed by additional letter(s) or number(s) for sales purpose

Enclosed, Programmable controllers Model(s) V680S followed by HMD, followed by 63, followed by ETN may be followed by additional letter(s) and/or number(s) for sales purposes.

V680S-HMD63, followed by -EIP or -PNT, V680S-HMD64-EIP, V680S-HMD64-PNT, V680S-HMD66, followed by -EIP or -PNT

I/O Relay Terminals, Open type Model(s) G70V, followed by -SID or -SOC, followed by 16, followed by P, may be followed by -1, may be followed by -C16 or -C4, may be followed by any suffix(es)

- Above type names may be followed by additional letter(s) and/or number(s) for sales purposes.

* - May be followed by letters and/or numbers.

OMRON

Trademark and/or Tradename:

Last Updated on 2017-02-21

[Questions?](#)

[Print this page](#)

[Terms of Use](#)

[Page Top](#)

OMRON AUTOMATION AND SAFETY • THE AMERICAS HEADQUARTERS • Chicago, IL USA • 847.843.7900 • 800.556.6766 • www.omron247.com

OMRON CANADA, INC. • HEAD OFFICE

Toronto, ON, Canada • 416.286.6465 • 866.986.6766 • www.omron247.com

OMRON ELECTRONICS DE MEXICO • HEAD OFFICE

México DF • 52.55.59.01.43.00 • 01-800-226-6766 • mela@omron.com

OMRON ELECTRONICS DE MEXICO • SALES OFFICE

Apodaca, N.L. • 52.81.11.56.99.20 • 01-800-226-6766 • mela@omron.com

OMRON ELETRÔNICA DO BRASIL LTDA • HEAD OFFICE

São Paulo, SP, Brasil • 55.11.2101.6300 • www.omron.com.br

OMRON ARGENTINA • SALES OFFICE

Cono Sur • 54.11.4783.5300

OMRON CHILE • SALES OFFICE

Santiago • 56.9.9917.3920

OTHER OMRON LATIN AMERICA SALES

54.11.4783.5300

OMRON EUROPE B.V. • Wegalaan 67-69, NL-2132 JD, Hoofddorp, The Netherlands. • +31 (0) 23 568 13 00 • www.industrial.omron.eu

Authorized Distributor:

Automation Control Systems

- Machine Automation Controllers (MAC) • Programmable Controllers (PLC)
- Operator interfaces (HMI) • Distributed I/O • Software

Drives & Motion Controls

- Servo & AC Drives • Motion Controllers & Encoders

Temperature & Process Controllers

- Single and Multi-loop Controllers

Sensors & Vision

- Proximity Sensors • Photoelectric Sensors • Fiber-Optic Sensors
- Amplified Photomicrosensors • Measurement Sensors
- Ultrasonic Sensors • Vision Sensors

Industrial Components

- RFID/Code Readers • Relays • Pushbuttons & Indicators
- Limit and Basic Switches • Timers • Counters • Metering Devices
- Power Supplies

Safety

- Laser Scanners • Safety Mats • Edges and Bumpers • Programmable Safety Controllers • Light Curtains • Safety Relays • Safety Interlock Switches