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COPY

America

C E R T I F I C A T E

No. U10 072029 0017 Rev. 00

Holder of Certificate: **JTEKT CORPORATION**
1-1, Asahi-machi
Kariya-shi, Aichi
448-8652 JAPAN

Certification Mark:

C US

Product: **Electrical equ. for measurement, control and laboratory use**

Programmable Logic Controller

Tested according to:
UL 61010-1:2012/R:2019-07
UL 61010-2-201:2018
UL 1998:2013/R:2018-09
CSA C22.2 No. 61010-2-201:2018
CSA C22.2 No. 61010-1:2012/A1:2018-11
NFPA 79:2021

This product was voluntarily tested to the relevant safety requirements referenced on this certificate. It can be marked with the certification mark above. The mark must not be altered in any way. The certificate holder shall not transfer this certificate to third parties. This product certification system operated by TÜV SÜD America Inc. most closely resembles system 3 as defined in ISO/IEC 17067. Certification is based on the TÜV SÜD "Testing, Certification, Validation and Verification Regulations (TCVVR)". For Canadian standards TÜV SÜD America Inc. is accredited by the Standards Council of Canada to ISO/IEC 17065.

Test report no.: 095-72173216-101

Date, 2024-08-16

(Liyuan (Mandy) Zhao)

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No. U10 072029 0017 Rev. 00

Model(s): **Toyopuc - Nano Safety Series (For details see page 3 - Toyopuc - Nano safety product list)**

Brand Name(s): **JTEKT**

Parameters:

Rated Input Voltage:	24 V DC
Rated Input Current:	see chart next page
Protection Class:	III
Degree of Protection:	IPX0
Pollution Degree:	2
Maximum Altitude:	less than 2000 m
Ambient Temperature:	55ºC max

Conditions of Acceptability:

- The product is intended and certified for USA and Canada. Other countries might have other requirement, which were not part of this Certification. These units are not intended for use at hazardous or household locations.
- The equipment is required to be supplied by a DC power source that has been assessed to meet the requirements of a limited-energy circuit per CSA/UL 61010-1 (3rd Ed) clause 9.4
- The maximum operating ambient temperature (Tma) of 55ºC of the equipment shall be considered in the product application.
- When installed in an end-product, consideration must be given to the following:
  - The investigated Pollution degree is: 2
  - The following end-product enclosures are required: Fire
  - Temperature on the PWB when installed in product shall be considered and not exceed 105ºC during normal operation.
  - Sound level shall be evaluated in the end system.

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CERTIFICATE

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Module	Model	Rated Input Voltage	Rated Input Current	Weight	Size (WxDxH)	Type	Description
Safety Master	Safety	3.3 VDC	2.0 A	180 g	27 x 100 x 121	TUC-1085	Safety master module.
Safety slave module	RS00IP + 16x IO modules	24 VDC	1.2 A	6 Kg	1020 x 115 x 120	TUC-1086	Safety Slave module
	RS01IP + 16x IO modules	24 VDC	1.2 A	6 Kg	1020 x 115 x 120	TUC-1087	Safety Slave module with SN-I/F
	RS00IP only	24 VDC	245 mA	310g	60 x 112.6 x 120	—	—
	RS01IP only	24 VDC	245 mA	310g	60 x 112.6 x 120	—	—
Safety IO module	IO-1600S	24 VDC	35 mA	220g	30 x 115 x 120	TUK-1088	Safety Input 16 Pts.
	IO-1600SE	24 VDC	38 mA	220g	30 x 115 x 120	TUK1144	Safety input 16 pts
	IO-0016S	24 VDC	35 mA	220g	30 x 115 x 120	TUK-1090	Safety output 16 Pts
	IO-0806S	24 VDC	35 mA	220g	30 x 115 x 120	TUK-1089	Safety input 8 Pts / Output 4 pts
	IO-0808S	24 VDC	42 mA	220g	30 x 115 x 120	TUK-1168	Safety input 8 Pts / Output 8 pts
	IO-0604SE	24 VDC	34 mA	200g	30 x 115 x 120	TUK-1169	Safety input 6 Pts / Output 4 pts
	IO-0604SL	24 VDC	34 mA	200g	30 x 115 x 120	TUK-1170	Safety input 6 Pts / Output 4 pts
	IO-0604SE/L	24 VDC	34 mA	200g	30 x 115 x 120	TUK-1171	Safety input 6 Pts / Output 4 pts
	IO-0800SE	24 VDC	29 mA	170g	30 x 115 x 120	TUK-1172	Safety input 8 Pts
	IO-0800SL	24 VDC	27 mA	160g	30 x 115 x 120	TUK-1173	Safety input 8 Pts
	IO-2400SE	24 VDC	50 mA	300g	60 x 115 x 120	TUK-1174	Safety input 24 Pts
	IO-0024S	24 VDC	45 mA	270g	60 x 115 x 120	TUK-1175	Safety output 24 pts
	IO-0008SR	24 VDC	37 mA	350g	60 x 115 x 120	TUK-1176	Safety output 8 pts.
Standard IO module	IO-1600N	24 VDC	26 mA	190g	30 x 115 x 120	TUK-1091	Standard Input 16 pts.
	IO-0016N-P	24 VDC	27 mA	200g	30 x 115 x 120	TUK-1092	Standard outputs 16 Pts.
BASE	BASE	N/A	N/A	—	—	TUR-1093	Connect between Slave and IO or IO to IO

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