ZERTIFIKAT ◆ CERTIFICATE ◆ 認證證書 ◆ СЕРТИФИКАТ ◆ CERTIFICADO ◆ CERTIFICAT

Product Service

COPY

C E R T I F I C A T E

No. Z10 072029 0013 Rev. 00

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

Certification Mark:

Product: **Safety components**
Safety Programmable Logic Controller

The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition the certification holder must not transfer the certificate to third parties. This certificate is valid until the listed date, unless it is cancelled earlier. All applicable requirements of the testing and certification regulations of TÜV SÜD Group have to be complied. For details see: www.tuvsud.com/ps-cert

Test report no.: 717518179

Valid until: 2026-12-15

Date, 2021-12-17

(Günter Greil)

TÜV SÜD Product Service GmbH • Certification Body • Ridlerstraße 65 • 80339 Munich • Germany

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Parameters:

Power supply:	24 VDC +20%/-15%
IO power supply:	24 VDC +20%/-15%
Rated input:	24 VDC, 5 mA/point
Rated output:	24 VDC, 0.5 A/point (FET output)
	24 VDC, 0.25A/point (FET output)
	24 VDC, 3A/point (Relay output)
Temperature range:	-10°C to +55°C
Humidity:	10-95%RH (no condensation)

Tested according to:

IEC 61131-2:2017
EN 61131-2:2007
IEC 61131-6:2012
IEC 61508-1:2010 (SIL3)
IEC 61508-2:2010 (SIL3)
IEC 61508-3:2010 (SIL3)
IEC 61508-4:2010 (SIL3)
IEC 62061:2021
EN ISO 13849-1:2015 (Cat. 4, PL e)
IEC 61326-3-1:2017
IEC 61010-1:2010
IEC 61010-1:2010/AMD1:2016
IEC 61010-2-201:2017

Model(s): TOYOPUC-Nano Safety

Safety Master Module
TOYOPUC-Nano Safety

Safety Slave Module
TOYOPUC-Nano Safety RSxxxx
(A)(B)

(A)	Built-in serial communication for Standard PLC
00	None
01	SN-I/F or Modbus RTU (Slave)

(B)	Communication protocol
IP	EtherNet/IP (CIP Safety)

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Safety IO Module
TOYOPUC-Nano Safety IO-xxxxxx
(C)(D)(E)

Input points	Output points	IO Type	
(C)	(D)	(E)	Description
16	00	S	Safety Input 16 pts. Safety Output 0 pts.
16	00	SE	Safety Input 16 pts. (for Dry-contact input) Safety Output 0 pts.
08	06	S	Safety Input 8 pts. Safety Output 6 pts.
00	16	S	Safety Input 0 pts. Safety Output 16 pts.
08	08	S	Safety Input 8 pts. Safety Output 8 pts.
06	04	SE	Safety Input 6 pts. Safety Output 4 pts.
06	04	SL	Safety Input 6 pts. (Including 4 pts light curtain inputs) Safety Output 4 pts.
06	04	SE/L	Safety Input 6 pts. (Including 2 pts light curtain inputs) Safety Output 4 pts.
08	00	SE	Safety Input 8 pts. Safety Output 0 pts.
08	00	SL	Safety Input 8 pts. (for light curtain input) Safety Output 0 pts.
24	00	SE	Safety Input 24 pts. Safety Output 0 pts.
00	08	SR	Safety Input 0 pts. Safety Output 8 pts. (Including 4 pts safety relay outputs)
00	24	S	Safety Input 0 pts. Safety Output 24 pts.

BASE module
TOYOPUC-Nano Safety BASE

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