



Product Service

CERTIFICATE

No. Z10 004249 0013 Rev. 00

Holder of Certificate: **Doosan Robotics Inc**
79, Saneop-ro 156beon-gil, Gwonseon-gu
Suwon-si 16648
REPUBLIC OF KOREA

Factory(ies): 004249

Certification Mark:



Product: **Robot Safety Unit**
Model(s): **Doosan Robotics Safety Controller**

Parameters: Safety functions:
STO, SBC, Emergency Stop: **SIL3, SIL CL3, PL e CAT4**
SS1, SS2, SOS, SLP, SLS, SLT, Protective Stop,
TCP/Robot Position Limit, TCP Orientation Limit, TCP Speed Limit,
TCP Force Limit, Robot Momentum Limit, Robot Power Limit,
Collision Detection, Safety I/O: **SIL2, SIL CL2, PL d CAT3**

Tested according to: IEC 61508-1:2010
IEC 61508-2:2010
IEC 61508-3:2010
IEC 61508-4:2010
IEC 61800-5-1:2007
IEC 61800-5-2:2016
ISO 13849-1:2015
IEC 62061:2005
IEC 62061:2005/AMD1:2012
IEC 62061:2005/AMD2:2015
ISO 10218-1:2011
ISO TS 15066:2016
IEC 61000-6-7:2014
IEC 61326-3-1:2017

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. See also notes overleaf.

Test report no.: DS93146T
Valid until: 2024-01-27

Date, 2019-01-30


(Guido Neumann)