



Omron Robotics and Safety Technologies, Inc.
4225 Hacienda Drive, Pleasanton, CA 94588
www.omron247.com

EU DECLARATION OF CONFORMITY

1. Product Models/Products:

Models: TL5012, TL8012-S

2. Name and address of the manufacturer:

OMRON Robotics and Safety Technologies, Inc.
4225 Hacienda Drive, Pleasanton, CA 94588, U.S.A

3. This Declaration of Conformity is issued under the sole responsibility of the manufacturer.

4. Objects of the declaration:

Compact Safety Interlock Switch with Guard Locking

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

Machinery Directive 2006/42/EC, LVD Directive 2006/95/EC, EMC Directive 2014/30/EU, RoHS Directive 2011/65/EC & 2015/863/EU

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

Machinery Directive: IEC 60947-5-1:2003, Third edition and EN 60947-5-1:2004. IEC 60947-1:2007, EN 60947-1:2007, EN 60947-1:2004

7. Name, address, and identification number of Notified Body, Number of EC Type Examination

Machinery Directive:

Notified body: TÜV Rheinland UK Ltd.

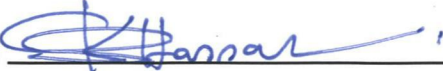
Address: Vienna House, Bickenhill Lane, Solihull

Notified Body identification No.:0197

TÜV Type Approved Certificate No.: R 47508737_001

Signed and on behalf of: OMRON Robotics and Safety Technologies, Inc.

Place of issue: Pleasanton, CA 94588, USA **Date of issue:** 08/20/2020

Signature:  _____

Name: Showkat Hassan

Function: Quality Representative and Authorized Signatory,
OMRON Robotics and Safety Technologies, Inc

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

Zertifikat / Certificate



Zertifikat Nr. Certificate No.

Blatt Page

R 47508737_001

1 of 1

Ihr Zeichen Client Ref

Unser Zeichen Our Ref

Ausstellungsdatum Date of Issue
(day/mo/yr)

0001-028500340 002

18th September 2013

Genehmigungsinhaber License Holder

Fertigungsstätte Manufacturing Plant s

Omron Scientific Technologies Incorporated
6550 Dumbarton Circle,
Fremont
CA 94555

Zona Franca Las Americas.
Km 22 Autopista Las
Americas,
Santo Domingo,
Dominican Republic

UL Rozdzienska 49
40-382 Katowice
Poland

Prüfzeichen Test Mark

Geprüft nach Tested Acc. to



IEC 60947-5-1 : 2003, Third edition and EN 60947-5-1: 2004.
IEC 60947-1 :2007, EN 60947-1:2007, EN60947-1:2004

Zertifiziertes Produkt

(Geräteidentifikation)

Lizenzentgelte-Einheiten

Certified Product

(Product Identification)

License Fee – Units

Safety Switches

Type Designation

TL8018-5

TL5012

TL8012-S

7

Max Operational Volt-
Rated Current - Ithe

600 VAC,

Solenoid –24VAC/DC, 110VAC/DC and 230VAC/DC

Utilisation Category/
Designation

A600, AC-15 3A (240VAC), 6A (120VAC)

Rated Operational Cur-
rent at the Rated Opera-
tional Voltage

AC-15 3A (240VAC), 6A (120VAC)

Class of Protection

class I

Protection Degree

IP67 , except for TL8018-5 which is IP65

This Certificate is based on our Testing and Certification Regulation and states the conformity of the product with the standards and testing requirements as indicated above. Any additional requirements in countries where the product is going to be marketed have to be considered additionally. The manufacturing of the certified prod-

TUV Rheinland UK Ltd.

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J.Jones

TUV Rheinland

Manager

Business Stream Products

NKCR.E195653 - Auxiliary Devices

Auxiliary Devices

See General Information for Auxiliary Devices

OMRON ROBOTICS AND SAFETY TECHNOLOGIES INC

4225 Hacienda Dr
Pleasanton, CA 94588 USA

E195653

Investigated to ANSI/UL 508

Actuator switches Model(s) MFS-11P11, MFS-11P11CC, MFS-11P20, MFS-11P20CC

Actuators Model(s) CM-S11ACT, CM-S1ACT, CM-S221ACT, CM-S2ACT, CM-S31ACT, CM-S321ACT, CM-S3ACT, CM-S421ACT, CM-S521ACT, CM-S5ACT, CM-S621ACT, CM-S6ACT, MA-10ACT, MA-11ACT, MA-12ACT, MA-13ACT, MA-14ACT, MA-15ACT, MA-16ACT, MA-1ACT, MA-20ACT, MA-21ACT, MA-2ACT, MA-3ACT, MA-4ACT, MA-5ACT, MA-6ACT, MA-7ACT, MA-9ACT, MA-S20ACT, MA-S21ACT, MA-S2ACT, MA-S34ACT, MA-S35ACT, MA-S36ACT

Control units Model(s) CM-S21-24V, CM-S41-100V, CM-S41-24V

Extender modules Model(s) CM-SE-24V

I-Rope switches Model(s) ER-1022, ER-1032, ER-5018, ER-6022, ER-6022-SS

Industrial control switches Model(s) SCC-1224

Industrial Control Switches Model(s) SCC-1224A

Industrial control switches Model(s) SCC-2124, SCC-2224

Industrial control switches, contact mats Model(s) UMA, UMMA, UMMYA, UMYA

Interlock relays Model(s) MC-K, MF, SMT-01, SMT-02, SMT-03, SR-0, SR-05, SR-06, SR-07, SR-09, SR-11, SR-12, SR-14, SR-15, SR-16, SR-8

Interlock switches Model(s) T-5007, T-5009, T-5009-6

Limit switches Model(s) SL-AL11CC, SL-AL11M, SL-AL11N, SL-AL21CC, SL-AL21M, SL-AL21MCC, SL-AL21MM, SL-AL21MN, SL-AL21N, SL-AL30CC, SL-AL30M, SL-AL30N, SL-MAL11CC, SL-MAL11M, SL-MAL11N, SL-MAL21CC, SL-MAL21M, SL-MAL21MCC, SL-MAL21MM, SL-MAL21MN, SL-MAL21N, SL-MAL30CC, SL-MAL30M, SL-MAL30N, SL-MP11CC, SL-MP11M, SL-MP11N, SL-MP21CC, SL-MP21M, SL-MP21MCC, SL-MP21MM, SL-MP21MN, SL-MP21N, SL-MP30CC, SL-MP30M, SL-MP30N, SL-MRL11CC, SL-MRL11M, SL-MRL11N, SL-MRL21CC, SL-MRL21M, SL-MRL21MCC, SL-MRL21MM, SL-MRL21MN, SL-MRL21N, SL-MRL30CC, SL-MRL30M, SL-MRL30N, SL-MRLS11CC, SL-MRLS11M, SL-MRLS11N, SL-MRLS21CC, SL-MRLS21M, SL-MRLS21MCC, SL-MRLS21MM, SL-MRLS21MN, SL-MRLS21N, SL-MRLS30CC, SL-MRLS30M, SL-MRLS30N, SL-MRP11CC, SL-MRP11M, SL-MRP11N, SL-MRP21CC, SL-MRP21M, SL-MRP21MCC, SL-MRP21MM, SL-MRP21MN, SL-MRP21N, SL-MRP30CC, SL-MRP30M, SL-MRP30N, SL-MSR11CC, SL-MSR11M, SL-MSR11N, SL-MSR21CC, SL-MSR21M, SL-MSR21MCC, SL-MSR21MM, SL-MSR21MN, SL-MSR21N, SL-MSR30CC, SL-MSR30M, SL-MSR30N, SL-MTA11CC, SL-MTA11M, SL-MTA11N, SL-MTA21CC, SL-MTA21M, SL-MTA21MCC, SL-MTA21MM, SL-MTA21MN, SL-MTA21N, SL-MTA30CC, SL-MTA30M, SL-MTA30N, SL-P11CC, SL-P11M, SL-P11N, SL-P21CC, SL-P21M, SL-P21MCC, SL-P21MM, SL-P21MN, SL-P21N, SL-P30CC, SL-P30M, SL-P30N, SL-RLH11CC, SL-RLH11M, SL-RLH11N, SL-RLH21CC, SL-RLH21M, SL-RLH21MCC, SL-RLH21MM, SL-RLH21MN, SL-RLH21N, SL-RLH30CC, SL-RLH30M, SL-RLH30N, SL-RLO11CC, SL-RLO11M, SL-RLO11N, SL-RLO21CC, SL-RLO21M, SL-RLO21MCC, SL-RLO21MM, SL-RLO21MN, SL-RLO21N, SL-RLO30CC, SL-RLO30M, SL-RLO30N, SL-RLS11CC, SL-RLS11M, SL-RLS11N, SL-RLS21CC, SL-RLS21M, SL-RLS21MCC, SL-RLS21MM, SL-RLS21MN, SL-RLS21N, SL-RLS30CC, SL-RLS30M, SL-RLS30N, SL-RP11CC, SL-RP11M, SL-RP21MCC, SL-RP21MM, SL-RP21MN, SL-RP30CC, SL-RP30M, SL-RP30N, SL-RR11CC, SL-RR11M, SL-RR11N, SL-RR21CC, SL-RR21M, SL-RR21MCC, SL-RR21MM, SL-RR21MN, SL-RR21N, SL-RR30CC, SL-RR30M, SL-RR30N

Magnetically actuated interlock switches Model(s) MA-S, followed by 2, 20 or 21, followed by A or D

MA-S2D, MC-S, MC-S1, MC-S2, MC-S6

Relays Model(s) SR203AM01, SR203AM02, SR203M01, SR203M02, SR204P00, SR204P02, SR208AD01, SR208AD02, SR209AD01, SR209AD02

Rope operated emergency switches Model(s) ER-4020, ER-6019

Safety relays Model(s) SMS-##, SMT-##, SR-###AM, SR-###DD, SR-###E, SR-###MP, SR-##A, SR-125SMS4501, SR-125SMS4502, SR-125SMS4503

Solenoid locking switches Model(s) TL-5012, TL-8012-S, TL-8018-4, TL-8018-5

Stand-alone switches Model(s) MF-2PCxx (xx=1 thru 99), MFS-11P11+, MFS-11P20+, MFS-12P11+, MFS-12P20+

Switches Model(s) BL-6009, HP-2007, HP-2010, HP-3009, HP-6009, T-2007, T-2010, T-3009, T-4011

Switches and actuators Model(s) CM-S11P+

CM-S11PC followed by AP or DP, followed by 10, 11, 20 or 21

CM-S11PCC followed by AP or DP, followed by 10, 11, 20 or 21

CM-S1P+, CM-S221P, CM-S221P+, CM-S2P+, CM-S31

CM-S31SC followed by AP or DP, followed by 10, 11, 20 or 21

CM-S31SCC followed by AP or DP, followed by 10, 11, 20 or 21

CM-S321S+, CM-S3P+, CM-S421S+, CM-S521P+, CM-S5P+, CM-S621P+, CM-S6P+, MA-10AP+, MA-10DP+

MA-11 followed by AP or DP, followed by 10, 11, 20 or 21

MA-11AP+, MA-11DP+, MA-12AP+, MA-12AP10, MA-12AP11, MA-12DP+, MA-12DP10, MA-12DP11, MA-13AP+, MA-13AP10, MA-13AP11, MA-13AP20, MA-13AP21, MA-13DP+, MA-13DP10, MA-13DP11, MA-13DP20, MA-13DP21, MA-14AP+, MA-14DP+, MA-14DP10, MA-14DP11, MA-14DS10, MA-14DS11, MA-15AP+, MA-15DP+, MA-15DP21, MA-15DS21, MA-16AP+, MA-16APAS, MA-16APDS, MA-16DP+, MA-16DPAS, MA-16DPDS, MA-1AP+, MA-1DP+, MA-20AP+, MA-20DP+, MA-21AP+, MA-21DP+, MA-2AP+, MA-2DP+, MA-34AS+, MA-34DP10, MA-34DP11, MA-34DS+, MA-34DS10, MA-34DS11, MA-35AS+, MA-35DP21, MA-35DS+, MA-35DS21, MA-36AS+, MA-36DS+, MA-S0DS+, MA-S20AS+, MA-S21AS+, MA-S21DS+, MA-S2AS+, MA-S2DS+, MAA-36APAS, MAA-36APDS, MAA-36DPAS, MAA-36DPDS

Investigated to ANSI/UL 60947-1 and ANSI/UL 60947-5-1

Interlock switches, manually operated Model(s) T5009

- Where # represents number.

+ - Followed by CC or Cxx, or followed by C and Cxx where xx is numbers 1 thru 99.

Last Updated on 2019-09-19

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NKCR7.E195653 - Auxiliary Devices Certified for Canada

Auxiliary Devices Certified for Canada

See General Information for Auxiliary Devices Certified for Canada

OMRON ROBOTICS AND SAFETY TECHNOLOGIES INC

4225 Hacienda Dr
Pleasanton, CA 94588 USA

E195653

Investigated to CAN/CSA C22.2. No. 14-10

Actuator switches Model(s) MFS-11P11, MFS-11P11CC, MFS-11P20, MFS-11P20CC

Actuators Model(s) CM-S11ACT, CM-S1ACT, CM-S221ACT, CM-S2ACT, CM-S31ACT, CM-S321ACT, CM-S3ACT, CM-S421ACT, CM-S521ACT, CM-S5ACT, CM-S621ACT, CM-S6ACT, MA-10ACT, MA-11ACT, MA-12ACT, MA-13ACT, MA-14ACT, MA-15ACT, MA-16ACT, MA-1ACT, MA-20ACT, MA-21ACT, MA-2ACT, MA-3ACT, MA-4ACT, MA-5ACT, MA-6ACT, MA-7ACT, MA-9ACT, MA-S20ACT, MA-S21ACT, MA-S2ACT, MA-S34ACT, MA-S35ACT, MA-S36ACT

Control units Model(s) CM-S21-24V, CM-S41-100V, CM-S41-24V

Extender modules Model(s) CM-SE-24V

I-Rope switches Model(s) ER-1022, ER-1032, ER-5018, ER-6022, ER-6022-SS

Industrial control switches Model(s) SCC-1224

Industrial Control Switches Model(s) SCC-1224A

Industrial control switches Model(s) SCC-2124, SCC-2224

Industrial control switches, contact mats Model(s) UMA, UMMA, UMMYA, UMYA

Interlock relays Model(s) MC-K, MF, SMT-01, SMT-02, SMT-03, SR-0, SR-05, SR-06, SR-07, SR-09, SR-11, SR-12, SR-14, SR-15, SR-16, SR-8

Interlock switches Model(s) T-5007, T-5009, T-5009-6

Limit switches Model(s) SL-AL11CC, SL-AL11M, SL-AL11N, SL-AL21CC, SL-AL21M, SL-AL21MCC, SL-AL21MM, SL-AL21MN, SL-AL21N, SL-AL30CC, SL-AL30M, SL-AL30N, SL-MAL11CC, SL-MAL11M, SL-MAL11N, SL-MAL21CC, SL-MAL21M, SL-MAL21MCC, SL-MAL21MM, SL-MAL21MN, SL-MAL21N, SL-MAL30CC, SL-MAL30M, SL-MAL30N, SL-MP11CC, SL-MP11M, SL-MP11N, SL-MP21CC, SL-MP21M, SL-MP21MCC, SL-MP21MM, SL-MP21MN, SL-MP21N, SL-MP30CC, SL-MP30M, SL-MP30N, SL-MRL11CC, SL-MRL11M, SL-MRL11N, SL-MRL21CC, SL-MRL21M, SL-MRL21MCC, SL-MRL21MM, SL-MRL21MN, SL-MRL21N, SL-MRL30CC, SL-MRL30M, SL-MRL30N, SL-MRLS11CC, SL-MRLS11M, SL-MRLS11N, SL-MRLS21CC, SL-MRLS21M, SL-MRLS21MCC, SL-MRLS21MM, SL-MRLS21MN, SL-MRLS21N, SL-MRLS30CC, SL-MRLS30M, SL-MRLS30N, SL-MRP11CC, SL-MRP11M, SL-MRP11N, SL-MRP21CC, SL-MRP21M, SL-MRP21MCC, SL-MRP21MM, SL-MRP21MN, SL-MRP21N, SL-MRP30CC, SL-MRP30M, SL-MRP30N, SL-MSR11CC, SL-MSR11M, SL-MSR11N, SL-MSR21CC, SL-MSR21M, SL-MSR21MCC, SL-MSR21MM, SL-MSR21MN, SL-MSR21N, SL-MSR30CC, SL-MSR30M, SL-MSR30N, SL-MTA11CC, SL-MTA11M, SL-MTA11N, SL-MTA21CC, SL-MTA21M, SL-MTA21MCC, SL-MTA21MM, SL-MTA21MN, SL-MTA21N, SL-MTA30CC, SL-MTA30M, SL-MTA30N, SL-P11CC, SL-P11M, SL-P11N, SL-P21CC, SL-P21M, SL-P21MCC, SL-P21MM, SL-P21MN, SL-P21N, SL-P30CC, SL-P30M, SL-P30N, SL-RLH11CC, SL-RLH11M, SL-RLH11N, SL-RLH21CC, SL-RLH21M, SL-RLH21MCC, SL-RLH21MM, SL-RLH21MN, SL-RLH21N, SL-RLH30CC, SL-RLH30M, SL-RLH30N, SL-RLO11CC, SL-RLO11M, SL-RLO11N, SL-RLO21CC, SL-RLO21M, SL-RLO21MCC, SL-RLO21MM, SL-RLO21MN, SL-RLO21N, SL-RLO30CC, SL-RLO30M, SL-RLO30N, SL-RLS11CC, SL-RLS11M, SL-RLS11N, SL-RLS21CC, SL-RLS21M, SL-RLS21MCC, SL-RLS21MM, SL-RLS21MN, SL-RLS21N, SL-RLS30CC, SL-RLS30M, SL-RLS30N, SL-RP11CC, SL-RP11M, SL-RP21MCC, SL-RP21MM, SL-RP21MN, SL-RP30CC, SL-RP30M, SL-RP30N, SL-RR11CC, SL-RR11M, SL-RR11N, SL-RR21CC, SL-RR21M, SL-RR21MCC, SL-RR21MM, SL-RR21MN, SL-RR21N, SL-RR30CC, SL-RR30M, SL-RR30N

Magnetically actuated interlock switches Model(s) MA-S, followed by 2, 20 or 21, followed by A or D

MA-S2D, MC-S, MC-S1, MC-S2, MC-S6

Relays Model(s) SR203AM01, SR203AM02, SR203M01, SR203M02, SR204P00, SR204P02, SR208AD01, SR208AD02, SR209AD01, SR209AD02

Rope operated emergency switches Model(s) ER-4020, ER-6019

Solenoid locking switches Model(s) TL-5012, TL-8012-S, TL-8018-4, TL-8018-5

Stand-alone switches Model(s) MF-2PCxx (xx=1 thru 99), MFS-11P11+, MFS-11P20+, MFS-12P11+, MFS-12P20+

Switches Model(s) BL-6009, HP-2007, HP-2010, HP-3009, HP-6009, T-2007, T-2010, T-3009, T-4011

Switches and actuators Model(s) CM-S11P+

CM-S11PC followed by AP or DP, followed by 10, 11, 20 or 21

CM-S11PCC followed by AP or DP, followed by 10, 11, 20 or 21

CM-S1P+, CM-S221P, CM-S221P+, CM-S2P+, CM-S31

CM-S31SC followed by AP or DP, followed by 10, 11, 20 or 21

CM-S31SCC followed by AP or DP, followed by 10, 11, 20 or 21

CM-S321S+, CM-S3P+, CM-S421S+, CM-S521P+, CM-S5P+, CM-S621P+, CM-S6P+, MA-10AP+, MA-10DP+

MA-11 followed by AP or DP, followed by 10, 11, 20 or 21

MA-11AP+, MA-11DP+, MA-12AP+, MA-12AP10, MA-12AP11, MA-12DP+, MA-12DP10, MA-12DP11, MA-13AP+, MA-13AP10, MA-13AP11, MA-13AP20, MA-13AP21, MA-13DP+, MA-13DP10, MA-13DP11, MA-13DP20, MA-13DP21, MA-14AP+, MA-14DP+, MA-14DP10, MA-14DP11, MA-14DS10, MA-14DS11, MA-15AP+, MA-15DP+, MA-15DP21, MA-15DS21, MA-16AP+, MA-16APAS, MA-16APDS, MA-16DP+, MA-16DPAS, MA-16DPDS, MA-1AP+, MA-1DP+, MA-20AP+, MA-20DP+, MA-21AP+, MA-21DP+, MA-2AP+, MA-2DP+, MA-34AS+, MA-34DP10, MA-34DP11, MA-34DS+, MA-34DS10, MA-34DS11, MA-35AS+, MA-35DP21, MA-35DS+, MA-35DS21, MA-36AS+, MA-36DS+, MA-S0DS+, MA-S20AS+, MA-S21AS+, MA-S21DS+, MA-S2AS+, MA-S2DS+, MAA-36APAS, MAA-36APDS, MAA-36DPAS, MAA-36DPDS

Investigated to CAN/CSA-C22.2 No.60947-1-13 and CAN/CSA C22.2 No.60947-5-1-14

Interlock switches, manually operated Model(s) T5009

+ - Followed by CC or Cxx, or followed by C and Cxx where xx is numbers 1 thru 99.

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