

EC Declaration of Conformity

The undersigned, representing the manufacturer and the authorised representative established within the Community

Rockwell Automation, Inc.
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Milwaukee, WI 53204
USA

Rockwell Automation BV
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2209 LE Capelle aan den IJssel
Netherlands

Herewith declare that the Products: **Safe2 Safety Light Curtains**

Product identification (brand and catalogue number/part number): **Allen-Bradley / GuardShield 445L Series**
(reference the attached list of catalogue numbers)

Product Safety Function **Safe2 safety light curtains are Type 2 active opto-electronic protective devices (AOPD) with resolutions of 30mm/PAC. They are cascadeable, and can be used in applications up to Safety Category 2 (EN 954-1)/ SIL2/SIL CL2 (EN 61508 / EN 62061) and PL d (EN ISO 13849-1).**

are in conformity with the essential requirements of the following EC Directive(s) when installed in accordance with the installation instructions contained in the product documentation:

98/37/EC and 2006/42/EC Machinery Directive
2004/108/EC EMC Directive

and that the standards and/or technical specifications referenced below have been applied:

EN 61496-1:2004 + A1:2008 Safety of machinery – Electro-sensitive protective equipment – Part 1: General requirements and tests
IEC 61496-2:2006 Safety of machinery – Electro-sensitive protective equipment – Part 2: Particular requirements for equipment using active opto-electronic protective devices (AOPD's)
EN ISO 13849-1:2008 Safety of machinery – Safety-related parts of control systems – Part 1: General principles for design
EN 61508 Parts 1-7:1998-2000 Functional safety of electrical/electronic/programmable electronic safety-related systems
EN 954-1:1997 Safety of machinery – Safety related parts of control systems – Part 1: General principles for design
EN 50178:1997 Electronic equipment for use in power installations
EN 62061:2005 Safety of machinery – Functional safety of safety-related electrical, electronic and programmable electronic control systems
EN 60204-1:2006 Safety of machinery – Electrical equipment of machines – General requirements
EN 61000-6-4:2007 Electromagnetic compatibility (EMC) – Part 6-4: Generic standards – Emission standard for industrial environments (Class A)
EN 61000-6-2:2005 Electromagnetic Compatibility (EMC) – Part 6-2: Generic standards – Immunity for industrial environments

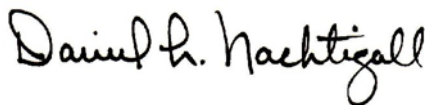
Conformance of a type sample belonging to the above mentioned product family with the regulations from the EC Machinery Directive has been certified by:

TÜV Rheinland Product Safety GmbH
Am Grauen Stein
D-51105 Köln, Germany

EC Type Examination
Registration No: BB 600022682 0001
Report No: 968/M204.02/09

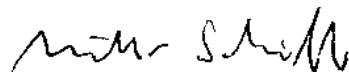
Manufacturer:

Authorised Representative in the Community:



Signature

Name: Daniel L. Nachtigall
Position: Supv – Product Certification Engineering
Date: 03-Dec-2009



Signature

Name: Viktor Schiffer
Position: Engineering Manager
Date: 08-Dec-2009

<i>Catalogue number</i>	<i>Series ¹</i>	<i>Description</i>
445L-x2SxYD		<i>GuardShield Safe2 safety light curtain per Nomenclature</i>
445L-R2S2500YD		<i>GuardShield Safe2, PAC receiver, 30 mm resolution, 2 beam, 500mm spacing</i>
445L-T2S2500YD		<i>GuardShield Safe2, PAC transmitter, 30 mm resolution, 2 beam, 500mm spacing</i>
445L-P2S2500YD		<i>GuardShield Safe2, PAC receiver/transmitter pair, 30 mm resolution, 2 beam, 500 mm spacing</i>
445L-R2S3400YD		<i>GuardShield Safe2, PAC receiver, 30mm resolution, 3 beam, 400 mm spacing</i>
445L-T2S3400YD		<i>GuardShield Safe2, PAC transmitter, 30mm resolution, 3 beam, 400 mm spacing</i>
445L-P2S3400YD		<i>GuardShield Safe2, PAC receiver/transmitter pair, 30 mm resolution, 3 beam, 400 mm spacing</i>

1) If no series number is given, then all series are covered

NOMENCLATURE:

445L	-	P	2	S	0960	Y	D
1		2	3	4	5	6	7

1.	Designates Product Line 445L – SafeShield safety light curtain
2.	Designates Optic Head Designation P – Transmitter and receiver pair R – Receiver T – Transmitter
3.	Designates AOPD Safety Type 2 – Type 2
4.	Designates Photoelectric Safety Device and Sensing Resolution S – Safe2, 30 mm sensing
5.	Designates Protective Height 0120 – 120 mm 1080 – 1080 mm 0240 – 240 mm 1200 – 1200 mm 0360 – 360 mm 1320 – 1320 mm 0480 – 480 mm 1440 – 1440 mm 0600 – 600 mm 1560 – 1560 mm 0720 – 720 mm 1680 – 1680 mm 0840 – 840 mm 1800 – 1800 mm 0960 – 960 mm 1920 – 1920 mm
6.	Designates Environmental Rating Y – IP65
7.	Designates Connection Type D – Micro-style quick disconnect, M12