

Certificate



Product Safety

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ID 060000000

Nr./No.: 968/EZ 111.10/17

Prüfgegenstand Product tested	2-polige monostabile Sicherheitsrelais Monostable 2-pole Safety Relays	Zertifikats- inhaber Certificate holder	Tyco Electronics Austria GmbH Schrackstr. 1 3830 Waidhofen / Thaya Austria
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Typbezeichnung Type designation	SR2M (V23047), S920, Variants see actual Revision List
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Prüfgrundlagen Codes and standards	IEC 61810-1:2015 IEC 61810-3:2015	IEC 61810-7:2006 IEC 60947-5-1:2003 + A1:2009 (in extracts)
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Bestimmungsgemäße Verwendung Intended application	Verwendung in Schaltungen, die der Sicherheit dienen. Die Schaltrelais erfüllen die Anforderungen an Elementarrelais und im Speziellen an Relais mit zwangsgeführten Kontakten. In Sicherheitsschaltungen dürfen die 2 Wechsler Kontakte nur jeweils als Schließer und Öffner verwendet werden. Use in safety-related circuits. The relays comply with the requirements for elementary relays and specifically for relays with forcibly guided contacts. In safety circuits the CO contacts may only be used as 1 NO and 1 NC contact respectively.
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Besondere Bedingungen Specific requirements	Die Angaben und Hinweise im Datenblatt sind zu beachten. The information and instructions in the data sheet shall be considered.
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Gültig bis / Valid until 2022-07-24

Der Ausstellung dieses Zertifikates liegt eine Prüfung zugrunde, deren Ergebnisse im Bericht Nr. 968/EZ 111.10/17 vom 24.07.2017 dokumentiert sind.

Dieses Zertifikat ist nur gültig für Erzeugnisse, die mit dem Prüfgegenstand übereinstimmen. Es wird ungültig bei jeglicher Änderung der Prüfgrundlagen für den angegebenen Verwendungszweck.

The issue of this certificate is based upon an examination, whose results are documented in Report No. 968/EZ 111.10/17 dated 2017-07-24.

This certificate is valid only for products which are identical with the product tested. It becomes invalid at any change of the codes and standards forming the basis of testing for the intended application.

TÜV Rheinland Industrie Service GmbH

Bereich Automation
Funktionale Sicherheit

Am Grauen Stein, 51105 Köln

Köln, 2017-07-24

Certification Body Safety & Security for Automation & Grid



Dipl.-Ing. Stephan Hüb

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LICENCE CERTIFICATE

for TÜV Rheinland Test Mark

No. 968/EZ 111.10/17

Licence Holder: Tyco Electronics Austria GmbH Schrackstr. 1 3830 Waidhofen / Thaya Austria		Manufacturer / Manufacturing Plant: Lexa & Posel s.r.o. Hamr-Kosky 148 37806 Suchdol nad Luznici Czech Republic	
Date of Application: 2017-05-18	File Ref.: 968/EZ 111.10/17	Date of Issue: 2017-07-24	
Test Mark:  Product Safety www.tuv.com ID 0600000000		For products that are in conformity with the certified product described below, the holder of this Licence Certificate is authorized to use the TÜV Rheinland Test Mark shown on this page by affixing the same to the product and by using it in print and electronic media for information and advertising purposes for the certified product. All terms of the currently valid Regulation of Certification and Test Mark Regulation have to be considered. The validity for use of the Test Mark is bound to the existence of a valid certificate for the certified product.	
Annual Fee Units for Use of the Test Mark:			Units of Fee: 4
Certified Product, Identification of the Device:			
Kind of Product:		Monostable 2-pole Safety Relays	
Type Designation:		SR2M (V23047), S920, Variants see actual Revision List	
Technical Data:		Coil Voltage: 5 to 110 VDC Operative Range: Class 2 Contact Configuration: 01 2 change-over contacts 11 1 N.O. contact and 1 N.C. contact Contact Rating 7 A / 250 VAC Contact Material S920: AgNi 90/10 SR2M: AgNi 90/10	
Special Remarks:		Report-No. 968/EZ 111.10/17 dated 2017-07-24 and Certificate No.: 968/EZ 111.10/17 dated 2017-07-24	

TÜV Rheinland Industrie Service GmbH
 Bereich Automation
 Funktionale Sicherheit
 Am Grauen Stein, 51105 Köln



2017-07-24
 Date

Certification Body
 Safety & Security for Automation & Grid

Dipl.-Ing. Stephan Häb



Revision List

referred to on Certificate No.: 968/EL 111.10/17



Product Tested: 2-pole Safety Relays SR2M, S920, monostable

Safety related modules / components

Elektromechanische Elementarrelais Electromechanical elementary relays		Typenschlüssel SR2M Type Designation SR2M			Report-No.:	Certification Status	
Beispiel: Example:		<u>V23047</u> - <u>A1</u> <u>012</u> - <u>A</u> <u>5</u> <u>01</u> <u>####</u> I II III IV V VI VII					
I	Grundtype Basic series	V23047 (SR2M)					
II	Bauform und Ausführung Version and Design	A1 PCB-Ausführung, stehend; <i>PCB-Type, Upright;</i> P1 PlugIn Ausführung; <i>stehe ndPlugIn-Type, Upright;</i>	RT III – waschdicht <i>RT III – wash tight</i> RT II – lötpfropfenfest <i>RT II – flux proofed</i>	Alternativ: Verwendung in PCB <i>Alternative: Use in PCB</i>	RTII – lötpfropfenfest <i>RTII – flux proofed</i>		
IV	Spulenspannung und Spulencode Coil voltage and coil code	Spulenspannung / V Coil Voltage / V		Spulencode Coil code	Bemessungsverbrauch der Spule / mW ± 10 % Rated power of the coil / mW ± 10 %		
		DC	5	005	700	968/EZ 111.07/13	Valid
		DC	6	006	700	968/EZ 111.07/13	Valid
		DC	9	009	700	968/EZ 111.07/13	Valid
		DC	12	012	700	968/EZ 111.07/13	Valid
		DC	15	015	700	968/EZ 111.07/13	Valid
		DC	18	018	700	968/EZ 111.07/13	Valid
		DC	21	021	700	968/EZ 111.07/13	Valid
		DC	24	024	700	968/EZ 111.07/13	Valid
		DC	36	036	700	968/EZ 111.07/13	Valid
		DC	40	040	700	968/EZ 111.07/13	Valid
		DC	48	048	700	968/EZ 111.07/13	Valid
		DC	60	060	700	968/EZ 111.07/13	Valid
		DC	74	074	700	968/EZ 111.10/17	Valid
		DC	80	080	700	968/EZ 111.07/13	Valid
DC	110	110	700	968/EZ 111.07/13	Valid		



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Elektromechanische Elementarrelais Electromechanical elementary relays		Typenschlüssel SR2M Nomenclature SR2M			
V	Kontaktfedersatz <i>Contact spring assmbly</i>	A	Einfachkontakt <i>Single contact</i>		
VI	Kontaktmaterial <i>Contact material</i>	5	AgNi 90/10 <i>AgNi 90/10</i>		
VII	Kontaktart <i>Contact type</i>	01	2 Wechsler (symmetrisch) <i>2 C.O. Contact (symmetrical)</i>		
		11	1 Schließer + 1 Öffner (asymmetrisch) <i>1 N.O. Contact + 1 N.C. Contact (asymmetrical)</i>		
VIII	Zusätzliche Herstellerangaben <i>Additional manufacturer indications</i>	####	Wahlweise bis zu 4 Zahlen und/oder Buchstaben für interne Kennzeichnung des Herstellers <i>May be followed by up to four numbers or/and letters only for manufacturer internal identification</i>		



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Product Tested: 2-pole Safety Relays SR2M, S920, monostable

<i>Elektromechanische Elementarrelais</i> Electromechanical elementary relays	<i>Typenschlüssel S920</i> Type Designation S920			Report-No.:	Certification Status					
Beispiel: Example:	<u>S9</u> I	<u>20</u> II	- <u>X</u> III	<u>0</u> IV	<u>4</u> V	- <u>D</u> VI	<u>024</u> VII	<u>####</u> VIII		
I Grundtype Basic series	S9									
II Ausführung Version	20	Standard Version (waschdicht) Normal Version (washtight)								
III Kontaktausführung Contact type	X	1 Schließer + 1 Öffner (asymmetrisch) 1 N.O. Contact + 1 N.C. Contact (asymmetrical)								
IV Kontaktmaterial-Plattierung Contact material plating	0	Alle Kontakte Au plattiert (2,5µ) / 1 to 2 Kontakte 1 bis 2 Au plattiert (2,5µ)/			All contacts Au plated (2.5µ) Contacts 1 to 2 Au plated (2.5µ)					
V Kontaktmaterial Contact material	4	AgNi 90/10 AgNi 90/10								
VI Spulenversion Coil version	D	DC Spulen, 700mW DC coil, 700mW								
VII Spulenspannung und Spulencode Coil voltage and coil code	Spulenspannung / V Coil Voltage / V		Spulencode Coil code		Bemessungsverbrauch der Spule / mW ± 10 % Rated power of the coil / mW ± 10 %					
	DC	5	005		700		968/EZ 111.08/14			
	DC	6	006		700		968/EZ 111.08/14			
	DC	9	009		700		968/EZ 111.08/14			
	DC	12	012		700		968/EZ 111.08/14			
	DC	15	015		700		968/EZ 111.08/14			
	DC	18	018		700		968/EZ 111.08/14			
	DC	21	021		700		968/EZ 111.08/14			
	DC	24	024		700		968/EZ 111.08/14			
	DC	36	036		700		968/EZ111.08/14			
	DC	40	040		700		968/EZ 111.08/14			
	DC	48	048		700		968/EZ 111.08/14			
	DC	60	060		700		968/EZ 111.08/14			
	DC	74	074		700		968/EZ 111.10/17			
DC	80	080		700		968/EZ 111.08/14				
DC	110	110		700		968/EZ 111.08/14				



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Herstellungscod	<u>4W</u> I	<u>06</u> II	<u>23</u> III
I Produktionsverantwortung <i>Responsibility of production</i>	4W	Waidhofen / Thaya <i>Waidhofen / Thaya</i>	
II Herstellungsjahr <i>Year of manufacturing</i>	06	Letzten beiden Stellen des Produktionsjahres <i>Last two digits from production year</i> ...	
III Herstellungswoche <i>Week of manufacturing</i>	23	1 = Kalenderwoche 1 <i>1 = calendar week 1</i> 2 = Kalenderwoche 2 <i>2 = calendar week 2</i> ...	

Revision:

Date	Rev.	Description / Changes	Author
2013-04-26	1.0	Initial creation based on based on Report-No.: 968/EZ 111.07/13	jl/A-FS
2014-02-28	1.1	S920-Update based on Report-No.: 968/EZ 111.08/14	jz/A-FS
2017-07-24	2.0	Inclusion of 74V Coil Voltage and update assessment for a prolongation of the validity of a certificate	jz/A-FS