

Certificate



Product Safety

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ID 060000000

Nr./No.: 968/EZ 111.11/22

Prüfgegenstand Product tested	2-polige monostabile Sicherheitsrelais Monostable 2-pole Safety Relays	Zertifikatsinhaber Certificate holder	Tyco Electronics Austria GmbH Schrackstr. 1 3830 Waidhofen / Thaya Austria
Typbezeichnung Type designation	SR2M (V23047), S920, Details see Revision List		
Prüfgrundlagen Codes and standards	IEC 61810-1:2019 IEC 61810-3:2015	IEC 61810-7:2006 IEC 60947-5-1-1:2016 + Cor.1:2016 + Cor.2:2020, 8.3.3.5.2, 8.3.3.5.3, 8.3.4 (in extracts)	
Bestimmungsgemäße Verwendung Intended application	Die Relais der SR2M- und S920-Serie erfüllen die Anforderungen für Elementarrelais nach IEC 61810-1. Die Relais mit 1 Schließer- und 1 Öffnerkontaktpaar erfüllen auch die Anforderungen für Relais mit zwangsgeführten Kontakten vom Typ A gemäß IEC 61810-3. Die Relais mit 2 Wechslern erfüllen die Anforderungen des Typs B. In sicherheitsrelevanten Stromkreisen darf nur 1 Schließer oder 1 Öffner der 2 Wechsler verwendet werden. The relays of the SR2M and S920-series comply with the requirements for elementary relays in accordance with IEC 61810-1. The relays with 1 NO 1 NC contact pair also comply with the requirements for relays with forcibly guided contacts of type A in accordance with IEC 61810-3. The relays with 2 CO contacts fulfil the requirements of type B. In safety-relevant circuits, only 1 NO or 1 NC contact of the 2 CO contacts may be used.		
Besondere Bedingungen Specific requirements	Die Angaben und Hinweise im Datenblatt sind zu beachten. The information and instructions in the data sheet shall be considered.		

Der Ausstellung dieses Zertifikates liegt eine Evaluierung entsprechend dem Zertifizierungsprogramm CERT FSP1 V1.0:2017 in der aktuellen Version zugrunde, deren Ergebnisse im Bericht Nr. 968/EZ 111.11/22 vom 21.10.2022 dokumentiert sind. Dieses Zertifikat ist nur gültig für Erzeugnisse, die mit dem Prüfgegenstand übereinstimmen.

The issue of this certificate is based upon an evaluation in accordance with the Certification Program CERT FSP1 V1.0:2017 in its actual version, whose results are documented in Report No. 968/EZ 111.11/22 dated 2022-10-21. This certificate is valid only for products, which are identical with the product tested.

TÜV Rheinland Industrie Service GmbH
Bereich Automation
Funktionale Sicherheit

Köln, 2022-10-26


Certificate Body Safety & Security for Automation & Grid

Dipl.-Ing. (FH) Wolf Rückwart

LICENCE CERTIFICATE

for TÜV Rheinland Conformity Mark

No. 968/EZ 111.11/22

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: 2022-09-21	File Ref.: 968/EZ 111.11/22	Date of Issue: 2022-10-26	
Conformity Mark:			
 Product Safety www.tuv.com ID 0600000000		The holder of this Licence Certificate is authorized to affix the TÜV Rheinland Conformity Mark shown on this page on products that correspond to the certified product described below and to use it in print and electronic media for information and advertising purposes for the certified product. All provisions of the currently valid Regulation for Certification and Conformity Mark Regulation must be observed. The validity for use of the Conformity Mark is dependent on the existence of a valid certificate for the certified product.	
Link for download: http://fs-products.tuv.com/tm/2491			
Annual Fee Units for Use of the Conformity Mark:			Units of Fee: 10
Certified Product, Identification of the Device:			
Kind of Product:	Monostable 2-pole Safety Relays		
Type Designation:	SR2M (V23047), S920, Details see Revision List		
Technical Data:	Coil Voltage: 5 to 110 VDC Operative Range: Class 2 Contact Configuration: 01 2 change over contact 11 1 N.O. contacts and 1 N.C. contacts Contact Rating 7 A 250 VAC Contact Material S920: AgNi 90/10 SR2M: AgNi 90/10 Design Documents: S920_spec_A2_2158401.pdf / 2020-09-21 SR2M Explosion Diagram.pd / 2021-09-21		
Special Remarks:	Report-No. 968/EZ 111.11/22 dated 2022-10-21 and Certificate No.: 968/EZ 111.11/22 dated 2022-10-26		

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



2022-10-26

Date

 Certification Body
 Safety & Security for Automation & Grid

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Revision List
referred to on Certificate No.: 968/EZ 111.11/22



Product Tested: Monostable 2-pole Safety Relays SR2M (V23047), S920

Safety related modules / components

<i>Elektromechanische Elementarrelais</i> Electromechanical elementary relays		<i>Typenschlüssel SR2M</i> Type Designation SR2M			Report-No.:	Certification Status	
Beispiel: Example:		V23047 - A1 012 - A 5 01 #### I II III IV V VI VII					
I	Grundtype Basic series	V23047 (SR2M)					
II	Bauform und Ausführung Version and Design	A1 PCB-Ausführung, stehend; PCB-Type, Upright; P1 PlugIn Ausführung; stehend PlugIn-Type, Upright;	RT III – waschdicht RT III – wash tight RT II – lötpfannenfest RT II – flux proofed	Alternativ: Verwendung in PCB Alternative: Use in PCB	RTII – lötpfannenfest RTII – flux proofed		
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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Product Tested: Monostable 2-pole Safety Relays SR2M (V23047), S920

Elektromechanische Elementarrelais Electromechanical elementary relays		Typenschlüssel SR2M Nomenclature SR2M			
V	Kontaktfedersatz <i>Contact spring assembly</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: Monostable 2-pole Safety Relays SR2M (V23047), S920

Elektromechanische Elementarrelais Electromechanical elementary relays		Typenschlüssel S920 Type Designation S920			Report-No.:	Certification Status							
Beispiel: Example:		<u>S9</u>	<u>20</u>	-	<u>X</u>	<u>0</u>	<u>4</u>	-	<u>D</u>	<u>024</u>	<u>####</u>		
		<u>I</u>	<u>II</u>		<u>III</u>	<u>IV</u>	<u>V</u>		<u>VI</u>	<u>VII</u>	<u>VIII</u>		
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) / All contacts Au plated (2.5µ)										
		1 to 2	Kontakte 1 bis 2 Au plattiert (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
2022-10-21	3.0	Renewal of Certificate	