

Force Guided Relay SR4 D/M

- 4 pole relay with force guided contacts according to EN EN61810-3 (formerly EN50205)
- **■** Compact design and space efficient

Typical applications

Emergency shut-off, press control, machine control, elevator and escalator control, safety relays



E0244-C







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VDE Cert. No. 40005334, UL E214025, TUV 968/EL 230, CCC 2020970303000303

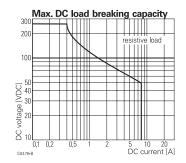
Technical data of approved types on request

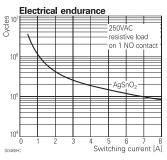
Contact Data				
Contact arrangement	3 form A + 1 form B contacts			
	3 NO + 1 NC			
	2 form A + 2 form B contacts			
	2 NO + 2 NC			
Rated voltage	250VAC			
Max. switching voltage	400VAC			
Rated current	8A			
Contact material	AgSnO ₂			
Contact style	single contact, force guided			
	type A according to EN61810-3			
	(formerly EN50205)			
Min. recommended contact load	5V/10mA			
Initial contact resistance	≤100mΩ at 1A, 24VDC			
	≤20Ω at 10mA, 5VDC			

		≤2012 at 10mA, 5VDC			
Frequency of operation, with/without load 6/150min-1					
3					
Contact	Load		Cycles		
1xA (NO)	8A, 250VA	AC, cosφ=1, 70°C	20x10 ³		
1xB (NC)	5A, 250VA	AC, cosφ=1, 70°C	20x10 ³		
A/B (NO/NC)	8A, 250VA	.C, general purpose, 70°C	6.000		
1xA (1xNO)	R300, B30	00	6.000		
1xB (1xNC)	R300		6.000		
1xA/1xB (1xN	O/1xNC)	3A, 24VDC, DC13	6.050		
1xA (1xNO)		3A, 250VAC AC-15	6.050		
More ratings and information see product specification 2158002					
	Contact 1xA (NO) 1xB (NC) A/B (NO/NC) 1xA (1xNO) 1xB (1xNC) 1xB(1xNC) 1xA/1xB (1xN)	Contact Load 1xA (NO) 8A, 250VA 1xB (NC) 5A, 250VA A/B (NO/NC) 8A, 250VA 1xA (1xNO) R300, B30 1xB (1xNC) R300 1xA/1xB (1xNO/1xNC) 1xA (1xNO)	eration, with/without load 6/150min ⁻¹ Contact Load 1xA (NO) 8A, 250VAC, cosφ=1, 70°C 1xB (NC) 5A, 250VAC, cosφ=1, 70°C A/B (NO/NC) 8A, 250VAC, general purpose, 70°C 1xA (1xNO) R300, B300 1xB (1xNC) R300 1xA/1xB (1xNO/1xNC) 3A, 24VDC, DC13 1xA (1xNO) 3A, 250VAC AC-15		

Mechanical endurance

10x10⁶ operations

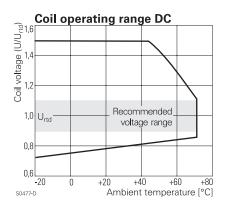




Coil data	
Coil voltage range	5 to 110VDC

Coil vers	sions, DC-co	oil			
Coil	Rated	Operate	Release	Coil	Rated coil
code	voltage	voltage	voltage	resistance	power
	VDC	VDC	VDC	Ω±10%	mW
005	5	3.8	0.5	31	806
006	6	4.5	0.6	45	800
009	9	6.8	0.9	101	802
012	12	9.0	1.2	180	800
015	15	11.3	1.5	281	801
018	18	13.5	1.8	405	800
021	21	16.0	2.1	551	800
024	24	18.0	2.4	720	800
036	36	27.0	3.6	1620	800
040	40	30.0	4.0	2000	800
048	48	36.0	4.8	2880	800
060	60	45.0	6.0	4500	800
085	85	63.8	8.5	9031	800
110	110	83.0	11.0	15125	800

All figures are given for coil without pre-energization, at ambient temperature +23°C.



Datasheets and product data is subject to the

terms of the disclaimer and all chapters of

the 'Definitions' section, available at

http://relays.te.com/definitions

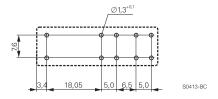


Force Guided Relay SR4 D/M (Continued)

Insulation Data Initial dielectric strength 1500Vrms between open contacts between contact and coil 4000Vrms 2500Vrms between adjacent contacts Clearance/creepage between open contacts microdisconnection between contact and coil ≥10/10mm between adjacent contacts ≥3/3.5mm Insulation to EN 50178, type of insulation between contact and coil reinforced between adjacent contacts basic

PCB layout / terminal assignment

Bottom view on solder pins

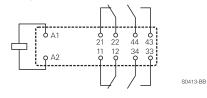


Other Data

Material compliance: EU RoHS/ELV, China RoHS, REACH, Halogen content refer to the Product Compliance Support Center at www.to.com/customorsupport/robesupportcontor

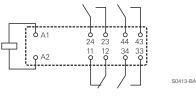
	www.te.com/customersupport/fonssupportcenter
Ambient temperature	-25 to 70°C
Category of environment	al Protection
IEC 61 810	RTIII
Weight	30g
Resistance to soldering h	neat THT
IEC 60068-2-20	260°C/5s
Packaging/unit	tube/10 pcs.

2 form A + 2 form B. 2 NO + 2 NC contacts



For more detailed information see product specification 2158002

3 form A + 1 form B, 3 NO + 1 NC contacts

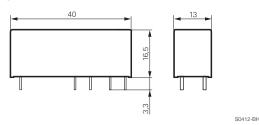


SR4

D

012

Dimensions



Product code structure

Typical product code

SR4 Relay with force guided contacts SR4 Contact arrangement

2 form A + 2 form B contacts (2 NO + 2 NC)

M 3 form A + 1 form B contacts (3 NO + 1 NC)

Contact material

AgSnO₂

Coil

Туре

Coil code: please refer to coil versions table (e.g. 012=12VDC)

Other types on request



Force Guided Relay SR4 D/M (Continued)

Product code	Туре	Contact arrangement	Contact material	Coil	Part number
SR4D4005	4 pole	2 form A + 2 form B,	AgSnO ₂	5VDC	7-1415054-1
SR4D4006	relay with	2 NO + 2 NC		6VDC	8-1415054-1
SR4D4009	force guided contacts	contacts		9VDC	9-1415054-1
SR4D4012				12VDC	1415055-1
SR4D4018				18VDC	1-1415055-1
SR4D4021				21VDC	2-1415055-1
SR4D4024				24VDC	3-1415055-1
SR4D4036				36VDC	4-1415055-1
SR4D4040				40VDC	5-1415055-1
SR4D4048				48VDC	6-1415055-1
SR4D4060				60VDC	7-1415055-1
SR4D4085				85VDC	8-1415055-1
SR4D4110				110VDC	9-1415055-1
SR4M4005		3 form A + 1 form B,		5VDC	5-1415053-1
SR4M4006		3 NO + 1 NC		6VDC	6-1415053-1
SR4M4009		contacts		9VDC	7-1415053-1
SR4M4012				12VDC	8-1415053-1
SR4M4018				18VDC	9-1415053-1
SR4M4021				21VDC	1415054-1
SR4M4024				24VDC	4-1415053-1
SR4M4036				36VDC	1-1415054-1
SR4M4040				40VDC	2-1415054-1
SR4M4048				48VDC	3-1415054-1
SR4M4060				60VDC	4-1415054-1
SR4M4085				85VDC	5-1415054-1
SR4M4110				110VDC	6-1415054-1

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