

Force Guided Relay SR4 D/M

■ 4 pole relay with force guided contacts according to EN 50205

Compact design and space efficient

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



Coil data (continued)

Approvals

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

 CCC 2012010304537809

 Technical data of approved types on request

Contact Data				
Contact arrangement	3 form A + 1 form B contacts			
0	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 EN 50205			
Min. recommended contact load	5V/10mA			
Initial contact resistance	≤100mΩ at 1A, 24VDC			
	≤20Ω at 10mA, 5VDC			
Frequency of operation, with/without	t load 6/150min ⁻¹			
Contact ratings, IEC60947-5-1,				
on 1 form A (NO) contact	AC15-3A			
	DC13-3A			
Mechanical endurance	10x10 ⁶ operations			



Coil data

Coil voltage range

Coil versions, DC-coil

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

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5 to 110VDC

Coil vers	sions, DC-co	il			
Coil	Rated	Operate	Release	Coil	Rated coil
code	voltage	voltage	voltage	resistance	power
	VDC	VDC	VDC	Ω±10%	mW
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.



Insulation Data

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

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

Datasheets, product data, 'Definitions' section, application notes and all specifications are subject to change. 1



Force Guided Relay SR4 D/M (Continued)

Other Data				
Material compliance: EU RoHS/ELV, China RoHS, REACH, Halogen conten				
refer t	o the Product Compliance Support Center at			
	te.com/customersupport/rohssupportcenter			
Ambient temperature	-25 to 70°C			
Category of environmental Prot	tection			
IEC 61 810	RTIII			
Weight	30g			
Resistance to soldering heat Th	HT			
IEC 60068-2-20	260°C/5s			
Packaging/unit	tube/10 pcs.			

For more detailed information see product specification 2158002

PCB layout / terminal assignment

Bottom view on solder pins



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



S0413-BB

Dimensions



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



S0413-BA

Product code structure	Typical product code	SR4	D	4	012
Туре		J			
SR4 Relay with force guided contacts SR4					
Contact arrangement					
D 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					
4 AgSnO ₂					
Coil					
Coil code: please refer to coil versions table (e.g. 012=12VDC)					
Other types on request					

S0412-BH

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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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