

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



F0244-C



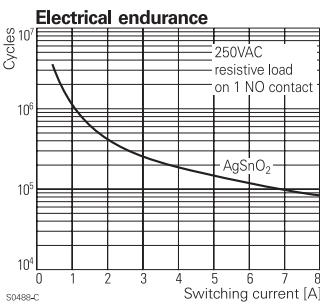
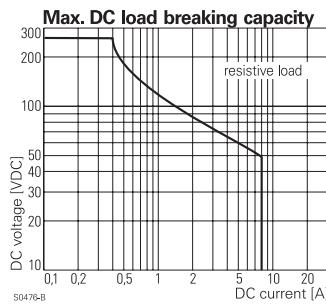
Approvals

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 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 load	6/150min ⁻¹
Contact ratings, IEC60947-5-1, on 1 form A (NO) contact	AC15-3A DC13-3A
Mechanical endurance	10x10 ⁶ operations

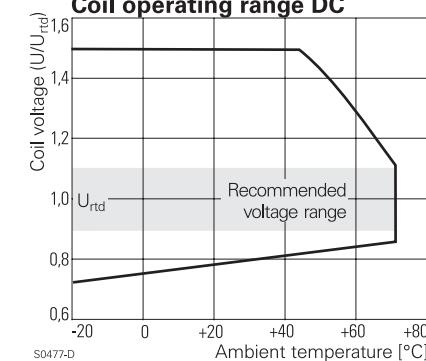


Coil data

Coil voltage range 5 to 110VDC

Coil versions, DC-coil

Coil code	Rated voltage VDC	Operate voltage VDC	Release voltage VDC	Coil resistance Ω±10%	Rated coil power 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



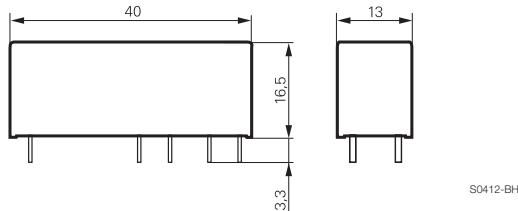
Insulation Data

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

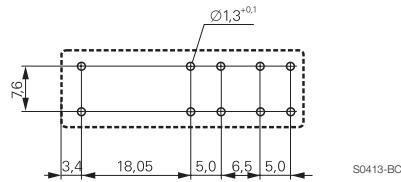
Force Guided Relay SR4 D/M (Continued)
Other Data

Material compliance: EU RoHS/ELV, China RoHS, REACH, Halogen content refer to the Product Compliance Support Center at www.te.com/customersupport/rohssupportcenter	
Ambient temperature	-25 to 70°C
Category of environmental Protection	IEC 61 810
Weight	30g
Resistance to soldering heat THT	IEC 60068-2-20
Packaging/unit	260°C/5s tube/10 pcs.

For more detailed information see product specification 2158002

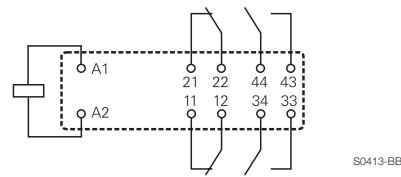
Dimensions

PCB layout / terminal assignment

Bottom view on solder pins



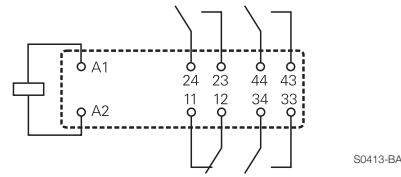
S0413-BG

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



S0413-BB

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



S0413-BA

Product code structure

Type	SR4	Relay with force guided contacts SR4	Typical product code	SR4	D	4	012
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						

Force Guided Relay SR4 D/M (Continued)

Product code	Type	Contact arrangement	Contact material	Coil	Part number
SR4D4005	4 pole relay with force guided contacts	2 form A + 2 form B, 2 NO + 2 NC contacts	AgSnO ₂	5VDC	7-1415054-1
SR4D4006				6VDC	8-1415054-1
SR4D4009				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, 3 NO + 1 NC contacts		AgSnO ₂	5VDC	5-1415053-1
SR4M4006				6VDC	6-1415053-1
SR4M4009				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

Mouser Electronics

Authorized Distributor

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[5-1415053-1](#)