

IRF1

28.01.2016

Equipped insulated plastic enclosure with 1 pushbutton

General Data

Type reference	IRF1
Description	Equipped enclosure
Approvals	CE, UKCA
Contact type	1 NC + 1 NO
Protection class	II (protective insulation)
Degree of protection	IP65
Connection type	screw connection 2x 2.5 mm ²
Contact material	AgNi
Max. storage temperature	-40°C ... 70°C
Max. operating temperature	-40°C ... 60°C
Mechanical life	1 million switching cycles
Electrical life (rated load)	switching cycles: 1 million at 250 V/10(6) A 250,000 at 250 V/16(10) A 500,000 at 250 V/5 A (AC15)
Contact resistance NO	< 20 mOhm (new state)
Contact resistance NC	< 20 mOhm (new state)
Min. current	1 mA (under laboratory conditions)
Min. voltage	5 V
Bouncing time NO	< 10ms
Bouncing time NC	< 10ms
Positive opening contact	acc. to EN60947-5-1, appendix K
Material	ABS

Electrical data acc. to IEC/EN 60947-5-1 (VDE 0660 Sect. 200)

	alternate current	direct current
Utilisation category	AC15	DC13
Rated insulation voltage U _i	400 V	400 V
Rated operating voltage U _e	400 V / 250 V	400 V / 250 V / 125 V / 60 V / 24 V
Rated operating current I _e	3 A / 5 A	0.12 A / 0.2 A / 0.4 A / 1 A / 2 A



Breaking capacity	10Ie	1,1Ie
Continuous thermal current	10 A	-

Electrical data acc. to IEC/EN 61058-1 (VDE 0630 Sect. 1)

Rated voltage Ue	250 V~ / 400 V~
Rated current Ie	10(6) A / 6(3) A

Technical data

Cable entry	top/ bottom / side, break-through Ø 21 mm, rear break-through Ø 19 mm
Weight	approx. 115 g
Tightening torque (enclosure screws)	0.8...1.2 Nm
Mounting hole	4.2 mm

Note

Insulated Plastic Enclosure
 Contact assignment: NO: 23-24
 NC: 11-12
 Colour of bottom: dark-grey
 Colour of cover: light-grey



