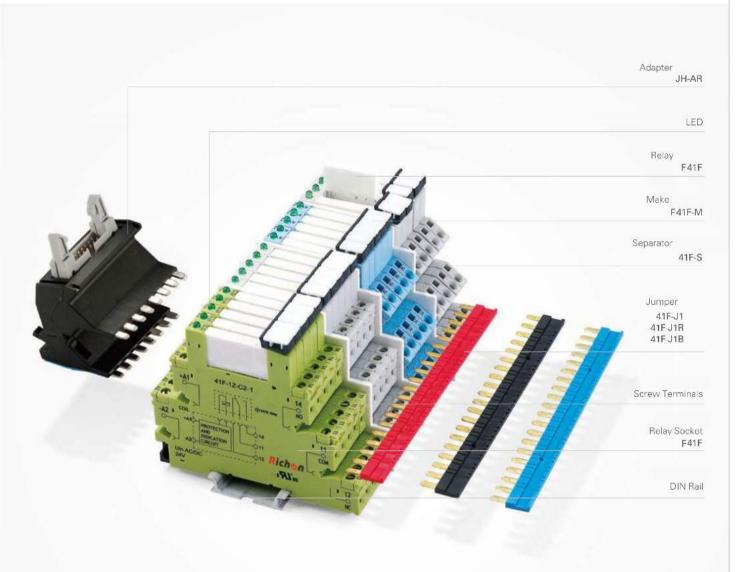




Subminiature Power Relay



Other sockets are available







F41F-1Z-C2/1/2/3/4/5 F41F-1Z-C4/1/2/3/4/5 F41F-1Z-A





- Slim size(width 5mm)
- Switching capacity 6A
- High breakdown voltage 4kV(between coil and contacts)
- Surge voltage up to 6kV (between coil and contacts)
- Meeting VDE0700/0631 reinforce insulation
- High sensitive: Approx.170mW
- Sockets available
- Environmental friendly product (RoHS compliant)
- Outline Dimensions: (28.0x5.0x15.0)mm





	Technical Data			
Co	ontact Data			
	Contact arrangement	1H,1Z		
	Contact resistance	30m Ω (1A 6VDC) : 10	00mΩ(1A6VDC	
	Contact material	AgSnO2, AgNi		
	Contact rating (Res.load)	6A 250VAC/30VDC		
	Max. switching voltage	400VAC/125VDC		
	Max. switching current	6A		
	Max, switching power	1500VA/180W		
	Mechanical endurance	1×10′		
Electrical endurance		:6×10° (AgNi, 6A 250VAC/30VDC 8: 3×10° (NO, AgNi, 6A 250VAC/30VDC 1×10°, (NO, AgNi, 6A 250VAC/30VDC 85	5℃ 85℃ ℃	
C	haracteristics			
Insu	lation resistance	1000M Ω (at 500VDC)		
Dielectric	Between coil and contact	4000VAC 1Min		
Strength	Between open contacts	1000VAC 1Min		
	Operate time ≤8ms max.			
	Release time	≤4ms max.		
Shock	Functional	49m/s²		
resistance	Destructive	980m/s²		
	Vibration	10~55Hz 1mm		
	Humidity	5%~85%RH		
	Ambient termperature	-40℃~+85℃		
	Termination	PCB		
	Weight	Approx. 5g		
	Construction	Plastic sealed, Flux proofer	d	

Coil Data

Coil power	5VDC~24VDC; Approx, 170mW
Coll power	48VDC, 60VDC: Approx.210rnW

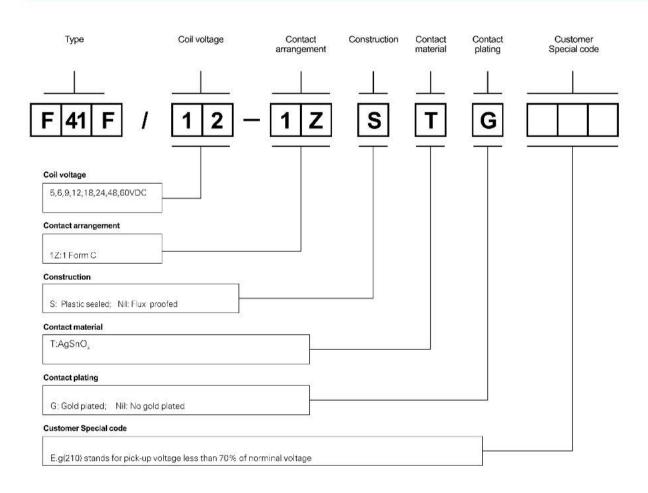


subminiature power relay

Coil Data(23°C)

(VDC) Rated voltage	(VDC) Pick-up voltage	(VDC) Drop-out voltage	(VDC) Max.Voltage	(Ω) Coil resistance
5	≤3.75	≥0.25	7.5	147×(1±10%)
6	≤4.50	≥0.30	9.0	212×(1±10%)
9	≤6.75	≥0.45	13.5	476×(1±10%)
12	≤9.00	≥0.60	18	848×(1±10%)
18	≤13.5	≥0.90	27	1906×(1±15%)
24	≤18.0	≥1.20	36	3390×(1±15%)
48(2)	≤36.0	≥2.40	72	10600×(1±15%)
60(3)	≤45.0	≥3.00	90	16600×(1±15%)

Ordering Information



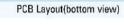


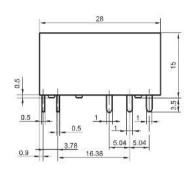
Safety Approval ratings

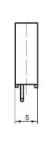
UL/CUL	YES
VDE	YES

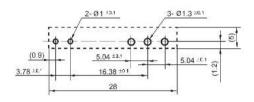
Dimensions

Outline Dimensions







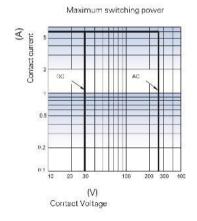


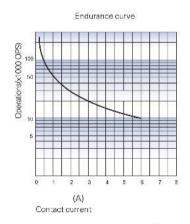
Wiring diagram(bottom view)

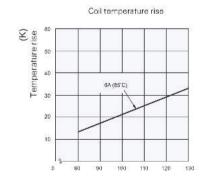


1Form C

Characteristic Curves







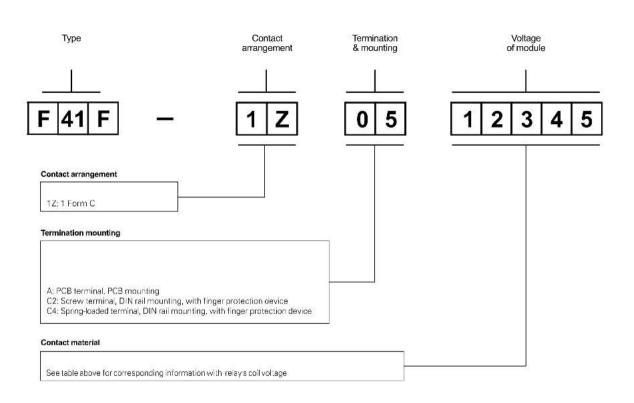
Percentage of Nominal Coil Voltage

Test conditions: NO, AgNi, Resistive load, 250VAC, Flux proofed, Room temp., 1s on 9s off.



F41F subminiature power relay

F41F Ordering Information



Technical Data

Туре	Rated voltage	Rated current	Temperature	Input voltage	Apply to relay the rated voltage	Input voltage polarity	Screw torque	Stripped wire length
F41F-1Z-C2-1	250VAC	6A	-40℃~70℃	(12~24)V AC/DC	(12~24)V AC/DC	N/A	0.5N.m	7mm
F41F-1Z-C2-2	250VAC	6A	-40℃~70℃	(48~60)V AC/DC	(48~60)V DC	N/A	0.5N.m	7mm
F41F-1Z-C2-3	250VAC	6A	-40℃~55℃	(110~125)V AC/DC	60V DC	N/A	0.5N.m	7mm
F41F-1Z-C2-4	250VAC	6A	-40℃~55℃	(220~240)V AC/DC	60V DC	N/A	0.5N.m	7mm
F41F-1Z-C2-5	250VAC	6A	-40°C∼70°C	(6~24)V DC	(6~24)V DC	Appliccable	0.5N.m	7mm
F41F-1Z-C4-1	250VAC	6A	-40℃~70℃	(12~24)V AC/DC	(12~24)V DC	N/A	a	7mm
F41F-1Z-C4-2	250VAC	6A	-40°C~70°C	(48~60)V AC/DC	(48-60)V DC	N/A		7mm
F 41F-1Z-C4-3	250VAC	6A	-40°C∼55°C	(110~125)V AC/DC	60V DC	N/A	-	7mm
F41F-1Z-C4-4	250VAC	6A	-40°C~55°C	(220~240)V AC/DC	60V DC	N/A		7mm
F41F-1Z-C4-5	250VAC	6A	-40°C 70°C	(6~24)V DC	(6~24)V DC	Appliccable	55	7mm
F41F-1Z-A	250VAC	6A	-40°C 70°C	(6~60)V DC	(6~60)V DC	Appliccable		

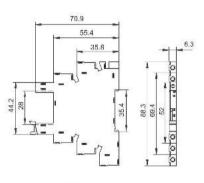


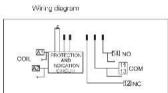
Type	F41F-1Z-C2/1/2/3/4/5	F41F-1Z-C4/1/2/3/4/5	F41F-1Z-A
Nominal current	6A	6A	
Nominal voltage	250VAC	250VAC	
Wire strip Length	7mm		
Max wire size	1×2.5/1×1.5mm²	=	
Screw torque	0.5Nm -		ā
Suitable relay type	JH41F	ā	
Jumper	41F-J1 41F-J1R 41	ā	
Separator	41F – S	i i	
Maker	41F-M 41F-M1		41F – M
Termination&mounting	Screw terminal, DIN rail mounting, with finger protection device	Spring-loaded terminal, DIN rail mounting, with finger protection device	Printing plate terminal, printing plate installation

Dimensions

F41F-1Z-C2

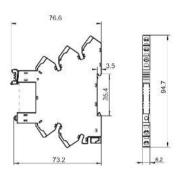


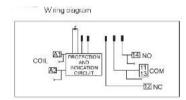




F41F-1Z-C4

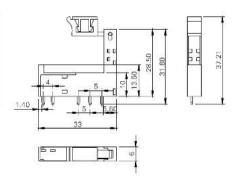






F41F-1Z-A







subminiature power relay

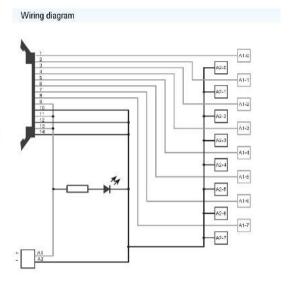
Accessory

Adapter

JH-AR



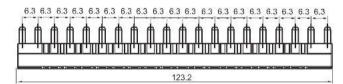
Technical data			
Rated current (pe	r signal path)	1A	
Minimum require	d supply power	3W	
Nominal voltage (Un)	24V DC	
Operating range		(0.8~1.1)Un	
Control logic		Positive switching (to A)	
Power supply stat	tus indication	Green LED	
Ambient tempera	ture range	-40℃~+70℃	
Terminals for 24V c	ontrol logic		
Type of connecto		14 pole, according to IEC 60603-13	
Terminals for 24V P	ower supply	200 300 300 300 300 300 300 300 300 300	
Wire strip length		9.5mm	
Screw torque 😝		0.5Nm	
Max.wire size	solid wire	1x4/2x1.5 mm²	
		1x12/2x16 AWG	
	**************************************	1x2.5/2x1.5 mm ²	
	stranded wire	1x14/2x16 AWG	



跨接片 Jumper

41F-J1 、41F-J1R 、41F-J1B



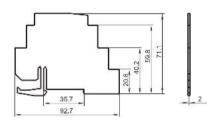




Separator

41F-S





Maker

41F-M



41F-M1

