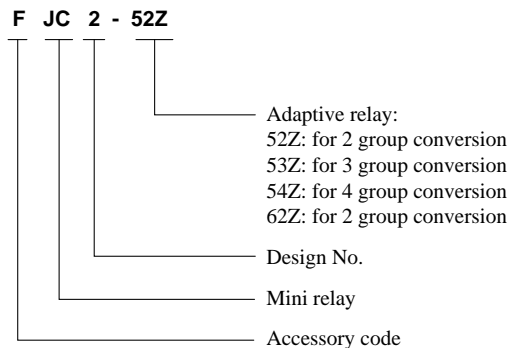
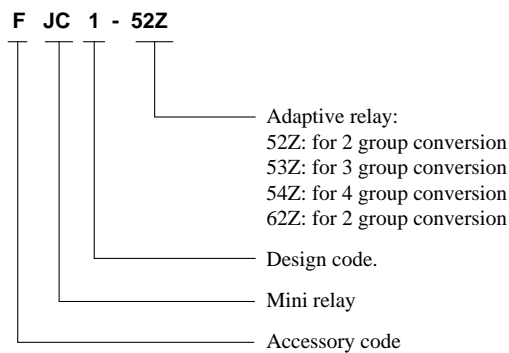
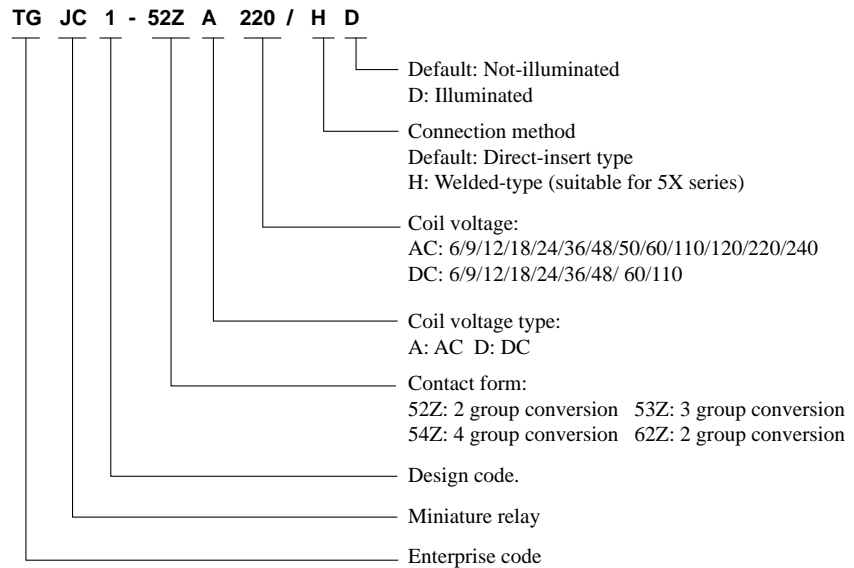


TGJC1 Series Mini Electromagnetic Relay

1 Product overview

Vjgtg"ctg"4\."5\."cpf"6\"eqpvcev"hqtou"ykvj"eqo rnvig"CEIFE"urgekŁecvkqpu"cpf"jkij"eqpvcev"tgkcdkkv{"hqt" PLC control; packaged by a transparent dust cover; the device-type socket options are provided; there are xctkqwu"kpucmcvkqp"ogvjqfu="vjg"uvcvwu"kpfkcevqt"urgekŁecvkqp"ecp"dg"qrvkqpcn"

2 Type designation



TGJC1 Series Mini Electromagnetic Relay

3 Main technical parameters

3.1 Contact parameters

Contact form	2Z (C) 3Z(C) 4Z(C)
Initial contact resistance	322 Ω
Contact material	Silver alloy
Eqpncev"aqcf" *EQU ?3/2+	52Z 53Z 5A ; 54Z 3A ; 62Z 10A(220VAC/28VDC)
Max. switching voltage	250VAC/125VDC
Max. switching current	52Z 53Z 5A ; 54Z 3A ; 62Z 10A
Max. switching power	52Z 53Z 1100VA/140W ; 54Z 660VA/84W ; 62Z 2200VA/280W
Electrical life (times)	35 $\times 10^4$
Mechanical life (times)	2 $\times 10^7$

3.2 Performance and characteristic parameters

Insulation resistance		322 Ω *722XFE+
Medium withstand voltage	Between contact coils, between different sets of contacts	1500VAC
	Between break contacts	1000VAC
Action time		0.42 μ s
Release time		0.42 μ s
Shock (stability)		10G (half sine wave pulse: 11ms)
Vibration		Double amplitude 1mm, (10~55) Hz
Outgoing terminal form		Plug-in type, PCB type
Dimensions (mm)		27.5x21.5x35.5

3.3 Coil parameters

Rated power	DC:0.9W AC:1.2VA
Operating voltage	FE<0'97 ' "qh"tcvgf"xqmcig="CE<0':2 ' "qh"tcvgf"xqmcig
Release voltage	FE<x'32 ' "qh"tcvgf"xqmcig="CE<x'52 ' "qh"tcvgf"xqmcig
Max. voltage	332 ' "tcvgf"xqmcig

3.4 Working and installation conditions

Temperature range	-25 +55
Relative humidity	Wr"iq";7 ' "cy"-47
Atmospheric pressure	86kPa 106kPa
Work location	Upright or side (reed on top)

TGJC1 Series Mini Electromagnetic Relay

Rated voltage VAC	Operating voltage VAC	Release voltage VAC	Eqn'tgukwcepg' 032 '
6	4.8	1.8	12
9	7.2	2.7	25
12	9.6	3.6	45
18	14.4	5.4	105
24	19.2	7.2	180
36	28.8	10.8	450
48	38.4	14.4	735
50	40.0	15.0	760
60	48.0	18.0	1050
110	88.0	33.0	3750
120	96.0	36.0	4550
220	176.0	66.0	14500

Rated voltage VAC	Operating voltage VAC	Release voltage VAC	Eqn'tgukwcepg' 032 '
6	4.8	0.6	40
9	6.75	0.9	90
12	9.0	1.2	160
18	13.5	1.8	360
24	18.0	2.4	650
36	27.0	3.6	1450
48	36.0	4.8	2600
60	45.0	6.0	4000
110	82.5	11.0	13450

Remark: The coil parameters are the values when the coil temperature is at 20 .

4 Accessories

Relay model	TGJC1-52Z(D)
Model of matched socket	FJC1-52Z/FJC2-52Z
Socket dimensions (mm)	76×23×30/71×23×30
Socket lead form	Screw type terminal (device type, rail type) PCB type

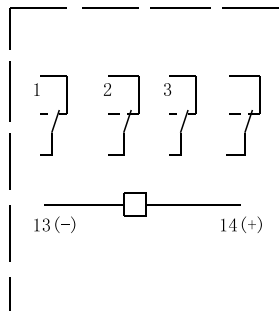
Relay model	TGJC1-53Z(D)
Model of matched socket	FJC1-53Z/FJC2-53Z
Socket dimensions (mm)	76×30×30/71×30×30
Socket lead form	Screw type terminal (device type, rail type) PCB type

TGJC1 Series Mini Electromagnetic Relay

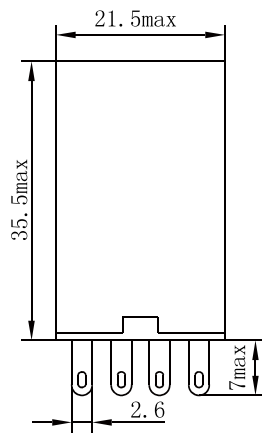
Relay model	TGJC1-54Z(D)
Model of matched socket	FJC1-54Z/FJC2-54Z
Socket dimensions (mm)	76×30×30/71×30×30
Socket lead form	Screw type terminal (device type, rail type) PCB type

Relay model	TGJC1-62Z(D)
Model of matched socket	FJC1-62Z/FJC2-62Z
Socket dimensions (mm)	79×28×30/71×23×30
Socket lead form	Screw type terminal (device type, rail type) PCB type

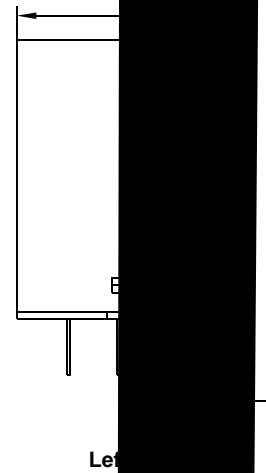
5 Outline and installation dimensions



TGJC1 Series Mini Electromagnetic Relay



TGJC1-54Z



5.4 Outline drawing (PCB type)

TGJC1-52Z

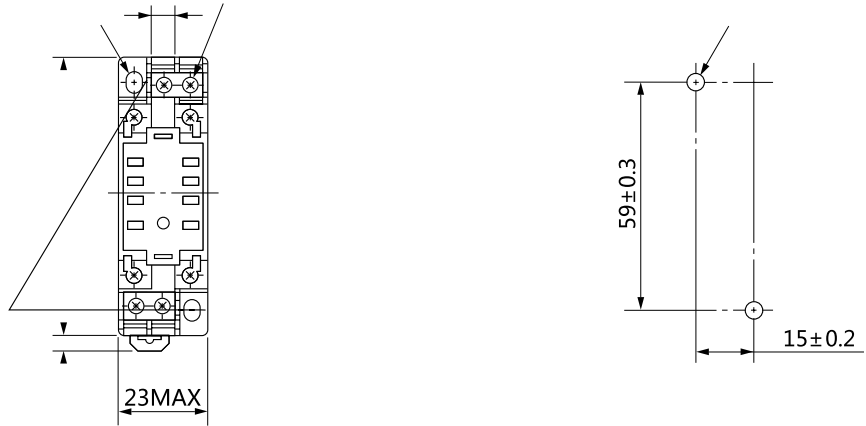
TGJ

TGJC1-54Z

Le

TGJC1 Series Mini Electromagnetic Relay

5.5 FJC1-52Z outline and installation dimensions



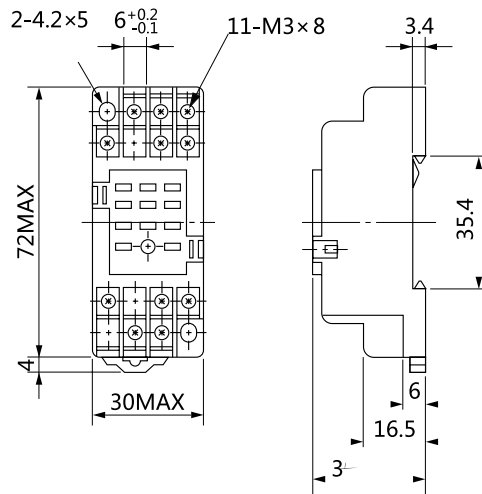
Suitable for relay model: TGJC1-52Z(D)

5.6 FJC2-52Z outline and installation dimensions

Suitable for relay model: TGJC1-52Z(D)

TGJC1 Series Mini Electromagnetic Relay

5.7 FJC1-53Z outline and installation dimensions



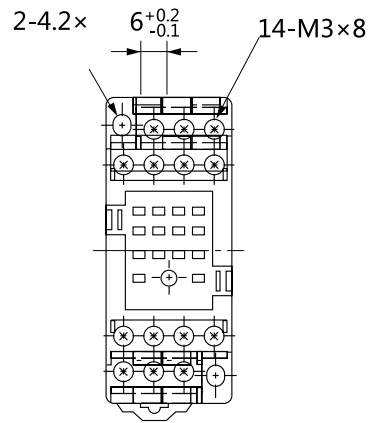
Suitable for relay model: TGJC1-53Z(D)

5.8 FJC2-53Z outline and installation dimensions

Suitable for relay model: TGJC1-53Z(D)

TGJC1 Series Mini Electromagnetic Relay

5.9 FJC1-54Z outline and installation dimensions



Suitable for relay model: TGJC1-54Z(D)

5.10 FJC2-54Z outline and installation dimensions

Suitable for relay model: TGJC1-54Z(D)

6.2 Rated conduct

6.3 Order example: TGJC1 miniature relay, con
kpuvcnncvkqp"o gvjqf."knnw okpcvgf="urgekŁgf"cu<VILE3/74\F332IF