



JSZ3 Series Time Delay Relays

1. General

JSZ3 series time delay relay ("relay" in short) is mainly used as time control component in the control circuit with AC frequency of 50Hz/60Hz, rated control supply voltage up to 380V and DC rated control supply voltage up to 24V for connecting and disconnecting the circuit at preset time. Standards: IEC/EN 60947-5-1.

2. Type designation

JS Z 3 □ - □

Adopt A,B,C,D,E,F,G to represent delay range code (applicable for multi-range type)

A: basic type (power on delay, multi-range type)

C: instantaneously operation type (power on delay, multi-range type)

F: power off delay type

Y: delta start-delay type (power on delay)

K: control off-delay

R: repeat circulation-delay type (power on delay)

Design sequence No.

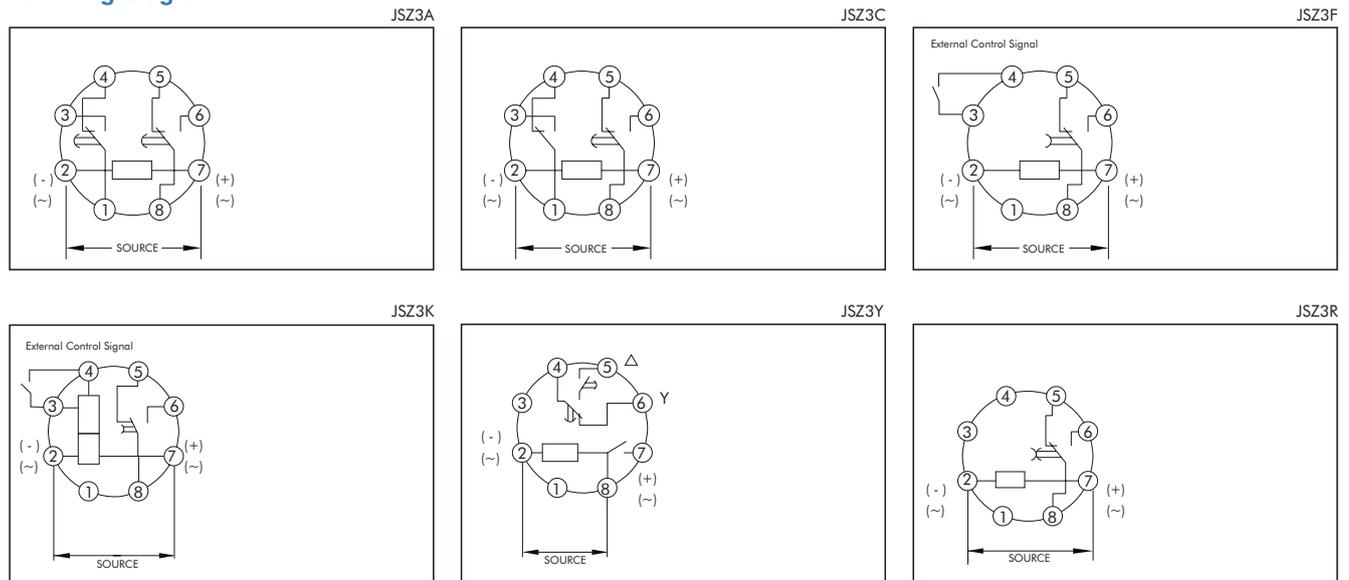
Integrative type

Time delay relay

3. Technical data

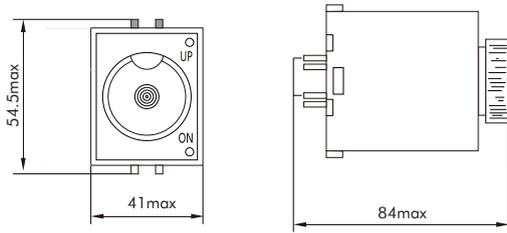
Type	JSZ3A	JSZ3C	JSZ3F	JSZ3F-2Z	JSZ3K	JSZ3Y	JSZ3R
Operating mode	power on delay	power on delay	power off delay	power off delay	Disconnection delay	Star/delta start delay	Shutting(cycling) delay
Delay range	A:(0.05-0.5)s/5s/30s/3min						
	B:(0.1-1)s/10s/60s/6min						
	C:(0.5-5)s/50s/5min/30min						
	D:(1-10)s/100s/10min/60min						
	E:(5-60)s/10min/60min/6h						
	F:(0.25-2) min/20min/2h/12h						
	G:(0.5-4) min/40min/4h/24h						
Set mode	Potentiometer						
Operating voltage	AC50Hz/60Hz,AC36V,AC110VAC127V AC220V,AC240V,AC380V DC24V	AC50Hz/60Hz,36V, 110V,127V AC220V AC240V AC380V DC24V	AC50Hz/60Hz AC110V AC220V AC230V AC380V AC36V DC24V	50Hz/60HzAC220V AC36V,AC110V, AC380V,DC24V	50Hz/60Hz AC220V AC36V,AC110V, AC380V,DC24V		
Delay precision	≤10%		≤10%		≤10%		≤10%
Contact number	Delay 2 switching	delay 1 changeover, instantaneous switching	Delay 1 switching	Delay 2 switching	Delay 1 switching	Delay Delta 1 switching	Delay 1 switching
Contact capacity	Ue/Ie: AC-15 240V/0.75A,415V/0.47A; DC-13 220V/0.27A; Ith:5A						
Electrical Endurance	1 × 10 ⁵						
Mechanical Endurance	1 × 10 ⁶						
Ambient temperature	-5°C ~ +40°C						
Installation mode	Equipment type, Panel type, DIN-rail type						
Matched pedestal	Panel type: FM8858, CZS08S, Equipment type, CZS08X-E						

4. Wiring diagram

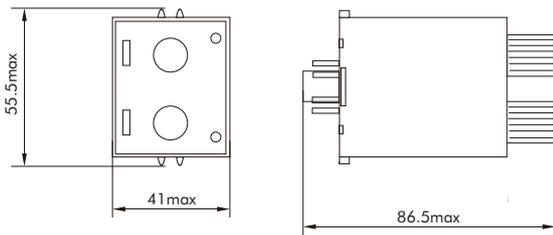


5. Overall and mounting dimensions (mm)

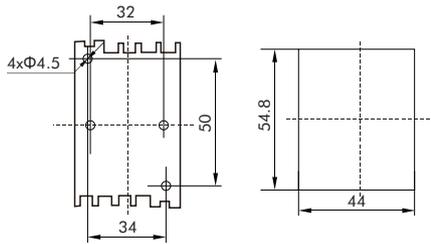
JSZ3A-C-,FK,Y overall and mounting dimension

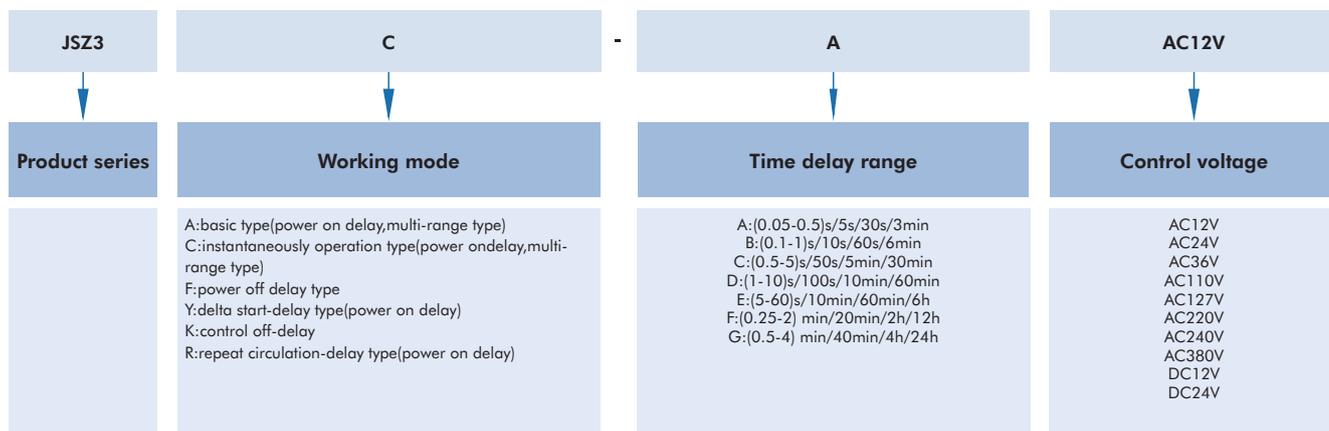


JSZ3R overall and mounting dimension



Opening size





Control voltage	Contact ability	Contact group	Description	Code
AC24V	240V/0.75A, lth:5A	2Z	JSZ3A-A AC24V	294299
AC36V	240V/0.75A, lth:5A	2Z	JSZ3A-A AC36V	294341
AC110V	240V/0.75A, lth:5A	2Z	JSZ3A-A AC110V	294334
AC127V	240V/0.75A, lth:5A	2Z	JSZ3A-A AC127V	294346
AC220V	240V/0.75A, lth:5A	2Z	JSZ3A-A AC220V	294320
AC240V	240V/0.75A, lth:5A	2Z	JSZ3A-A AC240V	296364
AC380V	240V/0.75A, lth:5A	2Z	JSZ3A-A AC380V	294309
DC12V	240V/0.75A, lth:5A	2Z	JSZ3A-A DC12V	294316
DC24V	240V/0.75A, lth:5A	2Z	JSZ3A-A DC24V	294327
JSZ3C-D AC36V	240V/0.75A, lth:5A	2Z	JSZ3A-B AC24V	294300
AC36V	240V/0.75A, lth:5A	2Z	JSZ3A-B AC36V	294342
AC110V	240V/0.75A, lth:5A	2Z	JSZ3A-B AC110V	294335
AC127V	240V/0.75A, lth:5A	2Z	JSZ3A-B AC127V	294347
AC220V	240V/0.75A, lth:5A	2Z	JSZ3A-B AC220V	294321
AC240V	240V/0.75A, lth:5A	2Z	JSZ3A-B AC240V	296365
AC380V	240V/0.75A, lth:5A	2Z	JSZ3A-B AC380V	294310
DC24V	240V/0.75A, lth:5A	2Z	JSZ3A-B DC24V	294328
DC12V	240V/0.75A, lth:5A	2Z	JSZ3A-B DC12V	294317
AC24V	240V/0.75A, lth:5A	2Z	JSZ3A-C AC24V	294301
AC36V	240V/0.75A, lth:5A	2Z	JSZ3A-C AC36V	294343
AC110V	240V/0.75A, lth:5A	2Z	JSZ3A-C AC110V	294336
AC127V	240V/0.75A, lth:5A	2Z	JSZ3A-C AC127V	294348
AC220V	240V/0.75A, lth:5A	2Z	JSZ3A-C AC220V	294322
AC230V	240V/0.75A, lth:5A	2Z	JSZ3A-C AC230V	294652
AC240V	240V/0.75A, lth:5A	2Z	JSZ3A-C AC240V	296366
AC380V	240V/0.75A, lth:5A	2Z	JSZ3A-C AC380V	294311
DC12V	240V/0.75A, lth:5A	2Z	JSZ3A-C DC12V	294318
DC24V	240V/0.75A, lth:5A	2Z	JSZ3A-C DC24V	294329
AC24V	240V/0.75A, lth:5A	2Z	JSZ3A-D AC24V	294302
AC36V	240V/0.75A, lth:5A	2Z	JSZ3A-D AC36V	294344
AC110V	240V/0.75A, lth:5A	2Z	JSZ3A-D AC110V	294337

Control voltage	Contact ability	Contact group	Description	Code
AC127V	240V/0.75A, Ith:5A	2Z	JSZ3A-D AC127V	201726
AC220V	240V/0.75A, Ith:5A	2Z	JSZ3A-D AC220V	294323
AC240V	240V/0.75A, Ith:5A	2Z	JSZ3A-D AC240V	296367
AC380V	240V/0.75A, Ith:5A	2Z	JSZ3A-D AC380V	294312
DC12V	240V/0.75A, Ith:5A	2Z	JSZ3A-D DC12V	294319
DC24V	240V/0.75A, Ith:5A	2Z	JSZ3A-D DC24V	294330
AC24V	240V/0.75A, Ith:5A	2Z	JSZ3A-E AC24V	294303
AC36V	240V/0.75A, Ith:5A	2Z	JSZ3A-F AC36V	294345
AC110V	240V/0.75A, Ith:5A	2Z	JSZ3A-E AC110V	294338
AC220V	240V/0.75A, Ith:5A	2Z	JSZ3A-E AC220V	294324
AC240V	240V/0.75A, Ith:5A	2Z	JSZ3A-E AC240V	296368
AC380V	240V/0.75A, Ith:5A	2Z	JSZ3A-E AC380V	294313
DC24V	240V/0.75A, Ith:5A	2Z	JSZ3A-E DC24V	294331
AC24V	240V/0.75A, Ith:5A	2Z	JSZ3A-F AC24V	294304
AC110V	240V/0.75A, Ith:5A	2Z	JSZ3A-F AC110V	294339
AC220V	240V/0.75A, Ith:5A	2Z	JSZ3A-F AC220V	294325
AC240V	240V/0.75A, Ith:5A	2Z	JSZ3A-F AC240V	296369
AC380V	240V/0.75A, Ith:5A	2Z	JSZ3A-F AC380V	294314
DC24V	240V/0.75A, Ith:5A	2Z	JSZ3A-F DC24V	294332
AC110V	240V/0.75A, Ith:5A	2Z	JSZ3A-G AC110V	294340
AC220V	240V/0.75A, Ith:5A	2Z	JSZ3A-G AC220V	294326
AC240V	240V/0.75A, Ith:5A	2Z	JSZ3A-G AC240V	296370
AC380V	240V/0.75A, Ith:5A	2Z	JSZ3A-G AC380V	294315
DC24V	240V/0.75A, Ith:5A	2Z	JSZ3A-G DC24V	294333
	240V/0.75A, Ith:5A	1Z	JSZ3C-A AC12V	294294
AC24V	240V/0.75A, Ith:5A	1Z	JSZ3C-A AC24V	294305
AC36V	240V/0.75A, Ith:5A	1Z	JSZ3C-A AC36V	294375
AC110V	240V/0.75A, Ith:5A	1Z	JSZ3C-A AC110V	294371
AC127V	240V/0.75A, Ith:5A	1Z	JSZ3C-A AC127V	294379
AC220V	240V/0.75A, Ith:5A	1Z	JSZ3C-A AC220V	294358
AC240V	240V/0.75A, Ith:5A	1Z	JSZ3C-A AC240V	296371
AC380V	240V/0.75A, Ith:5A	1Z	JSZ3C-A AC380V	294349
DC12V	240V/0.75A, Ith:5A	1Z	JSZ3C-A DC12V	294356
DC24V	240V/0.75A, Ith:5A	1Z	JSZ3C-A DC24V	294365
AC24V	240V/0.75A, Ith:5A	1Z	JSZ3C-B AC24V	294306
AC36V	240V/0.75A, Ith:5A	1Z	JSZ3C-B AC36V	294376
AC110V	240V/0.75A, Ith:5A	1Z	JSZ3C-B AC110V	294372
AC220V	240V/0.75A, Ith:5A	1Z	JSZ3C-B AC220V	294359
AC240V	240V/0.75A, Ith:5A	1Z	JSZ3C-B AC240V	296372
AC380V	240V/0.75A, Ith:5A	1Z	JSZ3C-B AC380V	294350
DC12V	240V/0.75A, Ith:5A	1Z	JSZ3C-B DC12V	294357
DC24V	240V/0.75A, Ith:5A	1Z	JSZ3C-B DC24V	294366
AC24V	240V/0.75A, Ith:5A	1Z	JSZ3C-C AC24V	294307

Control voltage	Contact ability	Contact group	Description	Code
AC36V	240V/0.75A, Ith:5A	1Z	JSZ3C-C AC36V	294699
AC110V	240V/0.75A, Ith:5A	1Z	JSZ3C-C AC110V	294373
AC220V	240V/0.75A, Ith:5A	1Z	JSZ3C-C AC220V	294360
AC240V	240V/0.75A, Ith:5A	1Z	JSZ3C-C AC240V	296373
AC380V	240V/0.75A, Ith:5A	1Z	JSZ3C-C AC380V	294351
DC24V	240V/0.75A, Ith:5A	1Z	JSZ3C-C DC24V	294367
AC24V	240V/0.75A, Ith:5A	1Z	JSZ3C-D AC24V	294632
AC36V	240V/0.75A, Ith:5A	1Z	JSZ3C-D AC36V	294377
AC110V	240V/0.75A, Ith:5A	1Z	JSZ3C-D AC110V	294374
AC220V	240V/0.75A, Ith:5A	1Z	JSZ3C-D AC220V	294361
AC240V	240V/0.75A, Ith:5A	1Z	JSZ3C-D AC240V	296374
AC380V	240V/0.75A, Ith:5A	1Z	JSZ3C-D AC380V	294352
DC12V	240V/0.75A, Ith:5A	1Z	JSZ3C-D DC12V	294708
DC24V	240V/0.75A, Ith:5A	1Z	JSZ3C-D DC24V	294368
AC24V	240V/0.75A, Ith:5A	1Z	JSZ3C-E AC24V	294308
AC127V	240V/0.75A, Ith:5A	1Z	JSZ3C-E AC127V	294651
AC220V	240V/0.75A, Ith:5A	1Z	JSZ3C-E AC220V	294362
AC240V	240V/0.75A, Ith:5A	1Z	JSZ3C-E AC240V	296375
AC380V	240V/0.75A, Ith:5A	1Z	JSZ3C-E AC380V	294353
DC24V	240V/0.75A, Ith:5A	1Z	JSZ3C-E DC24V	294369
AC36V	240V/0.75A, Ith:5A	1Z	JSZ3C-F AC36V	294378
AC220V	240V/0.75A, Ith:5A	1Z	JSZ3C-F AC220V	294363
AC240V	240V/0.75A, Ith:5A	1Z	JSZ3C-F AC240V	296376
AC380V	240V/0.75A, Ith:5A	1Z	JSZ3C-F AC380V	294354
DC24V	240V/0.75A, Ith:5A	1Z	JSZ3C-F DC24V	294370
AC24V	240V/0.75A, Ith:5A	1Z	JSZ3C-G AC24V	294631
AC220V	240V/0.75A, Ith:5A	1Z	JSZ3C-G AC220V	294364
AC240V	240V/0.75A, Ith:5A	1Z	JSZ3C-G AC240V	296377
AC380V	240V/0.75A, Ith:5A	1Z	JSZ3C-G AC380V	294355
AC24V	240V/0.75A, Ith:5A	1Z	JSZ3F 30s AC24V	294633
AC36V	240V/0.75A, Ith:5A	1Z	JSZ3F 1s AC36V	294380
AC36V	240V/0.75A, Ith:5A	1Z	JSZ3F 5s AC36V	294385
AC36V	240V/0.75A, Ith:5A	1Z	JSZ3F 10s AC36V	294389
AC36V	240V/0.75A, Ith:5A	1Z	JSZ3F 30s AC36V	294394
AC36V	240V/0.75A, Ith:5A	1Z	JSZ3F 60s AC36V	294398
AC36V	240V/0.75A, Ith:5A	1Z	JSZ3F 2min AC36V	294402
AC36V	240V/0.75A, Ith:5A	1Z	JSZ3F 3min AC36V	294405
AC110V	240V/0.75A, Ith:5A	1Z	JSZ3F 3min AC110V	294406
AC110V	240V/0.75A, Ith:5A	1Z	JSZ3F 2min AC110V	294403
AC110V	240V/0.75A, Ith:5A	1Z	JSZ3F 60s AC110V	294399
AC110V	240V/0.75A, Ith:5A	1Z	JSZ3F 30s AC110V	294395
AC110V	240V/0.75A, Ith:5A	1Z	JSZ3F 10s AC110V	294390
AC110V	240V/0.75A, Ith:5A	1Z	JSZ3F 5s AC110V	294386

Control voltage	Contact ability	Contact group	Description	Code
AC110V	240V/0.75A, lth:5A	1Z	JSZ3F 1s AC110V	294381
AC127V	240V/0.75A, lth:5A	1Z	JSZ3F 1s AC127V	294382
AC127V	240V/0.75A, lth:5A	1Z	JSZ3F 10s AC127V	294391
AC220V	240V/0.75A, lth:5A	1Z	JSZ3F 10s AC220V	294392
AC220V	240V/0.75A, lth:5A	1Z	JSZ3F 1s AC220V	294383
AC220V	240V/0.75A, lth:5A	1Z	JSZ3F 5s AC220V	294387
AC220V	240V/0.75A, lth:5A	1Z	JSZ3F 30s AC220V	294396
AC220V	240V/0.75A, lth:5A	1Z	JSZ3F 60s AC220V	294400
AC220V	240V/0.75A, lth:5A	1Z	JSZ3F 2min AC220V	294404
AC220V	240V/0.75A, lth:5A	1Z	JSZ3F 3min AC220V	294407
AC240V	240V/0.75A, lth:5A	1Z	JSZ3F 1s AC240V	296396
AC240V	240V/0.75A, lth:5A	1Z	JSZ3F 5s AC240V	296397
AC240V	240V/0.75A, lth:5A	1Z	JSZ3F 10s AC240V	296398
AC240V	240V/0.75A, lth:5A	1Z	JSZ3F 30s AC240V	296399
AC240V	240V/0.75A, lth:5A	1Z	JSZ3F 60s AC240V	296400
AC240V	240V/0.75A, lth:5A	1Z	JSZ3F 120s AC240V	296401
AC240V	240V/0.75A, lth:5A	1Z	JSZ3F 180s AC240V	296402
AC380V	240V/0.75A, lth:5A	1Z	JSZ3F 1s AC380V	294384
AC380V	240V/0.75A, lth:5A	1Z	JSZ3F 5s AC380V	294388
AC380V	240V/0.75A, lth:5A	1Z	JSZ3F 10s AC380V	294393
AC380V	240V/0.75A, lth:5A	1Z	JSZ3F 30s AC380V	294397
AC380V	240V/0.75A, lth:5A	1Z	JSZ3F 60s AC380V	294401
AC380V	240V/0.75A, lth:5A	1Z	JSZ3F 3min AC380V	294408
DC24V	240V/0.75A, lth:5A	1Z	JSZ3F 1s DC24V	294411
DC24V	240V/0.75A, lth:5A	1Z	JSZ3F 5s DC24V	294412
DC24V	240V/0.75A, lth:5A	1Z	JSZ3F 10s DC24V	294413
DC24V	240V/0.75A, lth:5A	1Z	JSZ3F 30s DC24V	294414
DC24V	240V/0.75A, lth:5A	1Z	JSZ3F 60s DC24V	294415
DC24V	240V/0.75A, lth:5A	1Z	JSZ3F 2min DC24V	294416
DC24V	240V/0.75A, lth:5A	1Z	JSZ3F 3min DC24V	294417
AC240V	240V/0.75A, lth:5A	2Z	JSZ3F-2Z 1s AC240V	296403
AC240V	240V/0.75A, lth:5A	2Z	JSZ3F-2Z 5s AC240V	296404
AC240V	240V/0.75A, lth:5A	2Z	JSZ3F-2Z 10s AC240V	296405
AC240V	240V/0.75A, lth:5A	2Z	JSZ3F-2Z 30s AC240V	296406
AC240V	240V/0.75A, lth:5A	2Z	JSZ3F-2Z 60s AC240V	296407
AC240V	240V/0.75A, lth:5A	2Z	JSZ3F-2Z 120s AC240V	296408
AC240V	240V/0.75A, lth:5A	2Z	JSZ3F-2Z 180s AC240V	296409
AC240V	240V/0.75A, lth:5A	2Z	JSZ3F-2Z 1s AC240V	296403
AC240V	240V/0.75A, lth:5A	2Z	JSZ3F-2Z 5s AC240V	296404
AC240V	240V/0.75A, lth:5A	2Z	JSZ3F-2Z 10s AC240V	296405
AC240V	240V/0.75A, lth:5A	2Z	JSZ3F-2Z 30s AC240V	296406
AC240V	240V/0.75A, lth:5A	2Z	JSZ3F-2Z 60s AC240V	296407
AC240V	240V/0.75A, lth:5A	2Z	JSZ3F-2Z 120s AC240V	296408

Control voltage	Contact ability	Contact group	Description	Code
AC240V	240V/0.75A, Ith:5A	2Z	JSZ3F-2Z 180S AC240V	296409
AC220V	240V/0.75A, Ith:5A	1Z	JSZ3K 10s AC220V	294695
AC220V	240V/0.75A, Ith:5A	1Z	JSZ3K 30s AC220V	294696
AC220V	240V/0.75A, Ith:5A	1Z	JSZ3K 60s AC220V	294697
AC220V	240V/0.75A, Ith:5A	1Z	JSZ3K 3min AC220V	294698
AC240V	240V/0.75A, Ith:5A	1Z	JSZ3K 1s AC240V	296382
AC240V	240V/0.75A, Ith:5A	1Z	JSZ3K 5s AC240V	296383
AC240V	240V/0.75A, Ith:5A	1Z	JSZ3K 10s AC240V	296384
AC240V	240V/0.75A, Ith:5A	1Z	JSZ3K 30s AC240V	296385
AC240V	240V/0.75A, Ith:5A	1Z	JSZ3K 60s AC240V	296386
AC240V	240V/0.75A, Ith:5A	1Z	JSZ3K 120s AC240V	296387
AC240V	240V/0.75A, Ith:5A	1Z	JSZ3K 180s AC240V	296388
DC24V	240V/0.75A, Ith:5A	1Z	JSZ3K 5s DC24V	294700
DC24V	240V/0.75A, Ith:5A	1Z	JSZ3K 60s DC24V	294701
DC24V	240V/0.75A, Ith:5A	1Z	JSZ3K 10s DC24V	294429
DC24V	240V/0.75A, Ith:5A	1Z	JSZ3K 30s DC24V	294430
DC24V	240V/0.75A, Ith:5A	1Z	JSZ3K 3min DC24V	294702
AC24V	240V/0.75A, Ith:5A	1Z	JSZ3Y 30s AC24V	294636
AC220V	240V/0.75A, Ith:5A	1Z	JSZ3Y 10s AC220V	294671
AC220V	240V/0.75A, Ith:5A	1Z	JSZ3Y 30s AC220V	294673
AC220V	240V/0.75A, Ith:5A	1Z	JSZ3Y 60s AC220V	294675
AC220V	240V/0.75A, Ith:5A	1Z	JSZ3Y 180s AC220V	294677
AC240V	240V/0.75A, Ith:5A	1Z	JSZ3Y 1s AC240V	296389
AC240V	240V/0.75A, Ith:5A	1Z	JSZ3Y 5s AC240V	296390
AC240V	240V/0.75A, Ith:5A	1Z	JSZ3Y 10s AC240V	296391
AC240V	240V/0.75A, Ith:5A	1Z	JSZ3Y 30s AC240V	296392
AC240V	240V/0.75A, Ith:5A	1Z	JSZ3Y 60s AC240V	296393
AC240V	240V/0.75A, Ith:5A	1Z	JSZ3Y 120s AC240V	296394
AC240V	240V/0.75A, Ith:5A	1Z	JSZ3Y 180s AC240V	296395
AC380V	240V/0.75A, Ith:5A	1Z	JSZ3Y 10s AC380V	294672
AC380V	240V/0.75A, Ith:5A	1Z	JSZ3Y 30s AC380V	294674
AC380V	240V/0.75A, Ith:5A	1Z	JSZ3Y 60s AC380V	294676
AC380V	240V/0.75A, Ith:5A	1Z	JSZ3Y 180s AC380V	294678
AC24V	240V/0.75A, Ith:5A	1Z	JSZ3R 6s/60s AC24V	294634
AC220V	240V/0.75A, Ith:5A	1Z	JSZ3R 6s/60s AC220V	294681
AC220V	240V/0.75A, Ith:5A	1Z	JSZ3R 10s/10min AC220V	294683
AC220V	240V/0.75A, Ith:5A	1Z	JSZ3R 30s/30min AC220V	294685
AC220V	240V/0.75A, Ith:5A	1Z	JSZ3R 60s/60min AC220V	294679
AC240V	240V/0.75A, Ith:5A	1Z	JSZ3R 6s/60s AC240V	296378
AC240V	240V/0.75A, Ith:5A	1Z	JSZ3R 10s/10min AC240V	296379
AC240V	240V/0.75A, Ith:5A	1Z	JSZ3R 30s/30min AC240V	296380
AC240V	240V/0.75A, Ith:5A	1Z	JSZ3R 60s/60min AC240V	296381
AC380V	240V/0.75A, Ith:5A	1Z	JSZ3R 6s/60s AC380V	294682
AC380V	240V/0.75A, Ith:5A	1Z	JSZ3R 60s/60min AC380V	294680
AC380V	240V/0.75A, Ith:5A	1Z	JSZ3R 10s/10min AC380V	294684
AC380V	240V/0.75A, Ith:5A	1Z	JSZ3R 30s/30min AC380V	294686
DC24V	240V/0.75A, Ith:5A	1Z	JSZ3R 10s/10min DC24V	294653