



## 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.

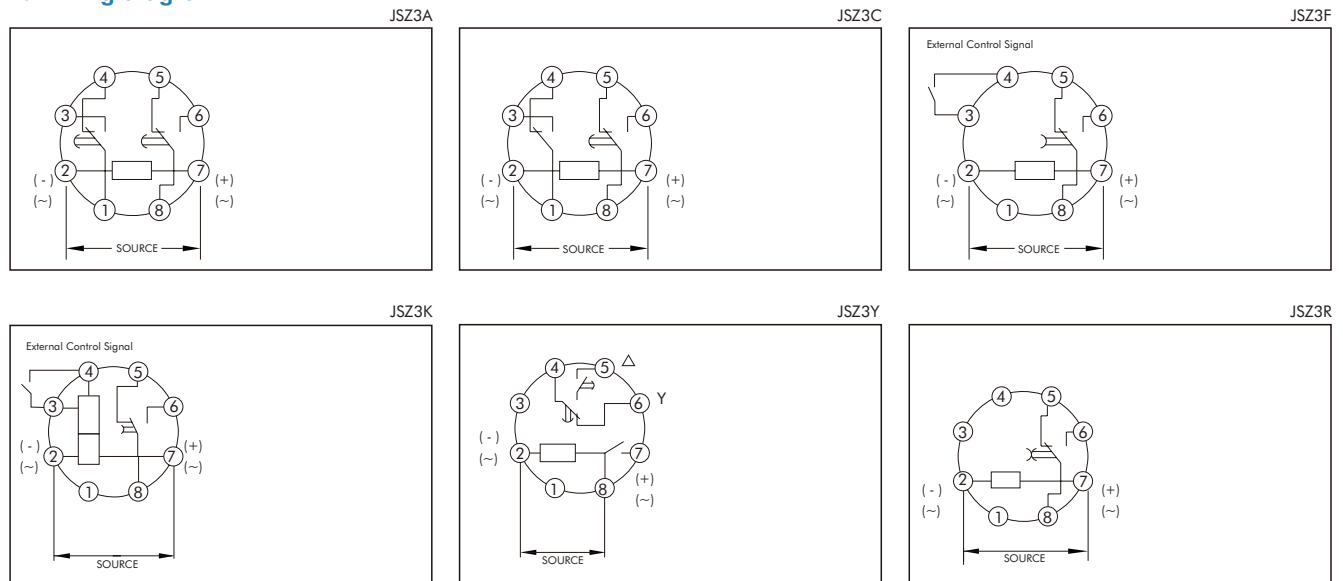
Integrative type

Time delay relay

### 3. Technical data

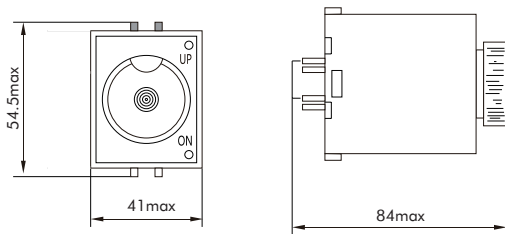
Type	JSZ3A	JSZ3C	JSZ3F	JSZ3F-2Z	JSZ3K	JSZ3Y	JSZ3R
Operating mode	power on delay	power on delay	power off delay	power off delay	Disconnection delay	Star/delta start delay	Shutling(cycling) delay
Delay range	A:(0.05-0.5)s/5s/30s/3min						
	B:(0.1-1)s/10s/60s/6min						
	C:(0.5-5)s/50s/5min/30min						
	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,AC110V, AC127V AC220V, AC240V, AC380V DC24V	AC50Hz/60Hz,AC36V, AC110V, AC127V, 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 switching , instantaneous 1 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 <sup>5</sup>						
Mechanical Endurance	1×10 <sup>6</sup>						
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

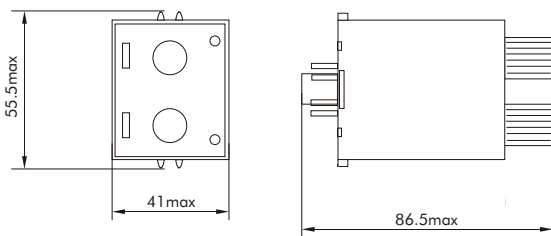


## 5. Overall and mounting dimensions (mm)

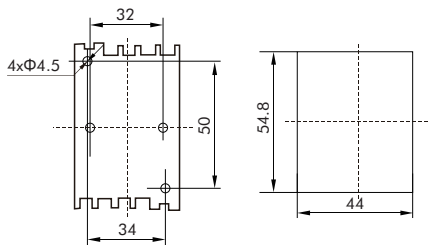
JSZ3A-C-,FK,Y overall and mounting dimension

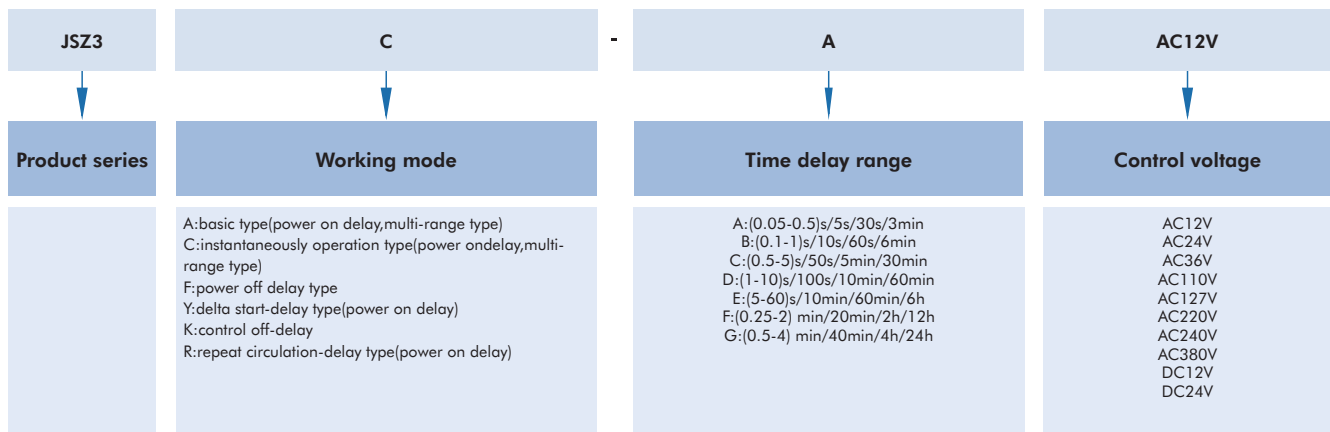


JSZ3R overall and mounting dimension



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