

Miniature PCB Relay SRU Series

- Up to 12A switching capacity
- 1 form A (NO) and 1 form C (CO) contacts
- Flux proof, wash tight version available

Typical applications
Appliances, HVAC, office machines



Approvals

cULus E58304, TUV R50137369
Technical data of approved types on request

Contact Data

Contact arrangement	1 form A (NO), 1 form C (CO)
Rated voltage	240VAC, 28VDC
Max. switching voltage	240VAC, 28VDC
Rated current	12A
Contact material	AgCdO, AgSnO ₂ , AgSnOInO
Min. recommended contact load	100mA at 5VDC
Frequency of operation	360 ops./h
Operate/release time max.	10/5ms

Electrical endurance

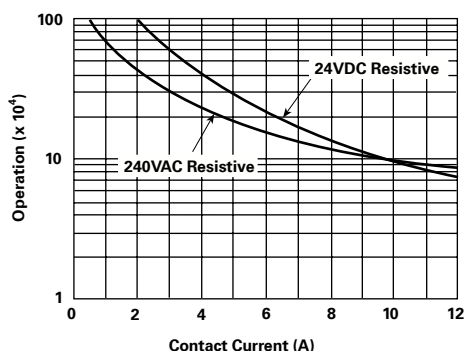
Type	Contact	Load	Operations
SRUDH		10A, 240VAC/24VDC res, -30 to +80°C	100x10 ³
SRUHH	AgCdO	12A, 240VAC/24VDC res, -30 to +80°C	100x10 ³
SRUHH	AgSnOInO	15A, 250VAC res, -30 to +80°C	50x10 ³
SRUHH	AgSnOInO	28VDC, 12A res, -30 to +80°C	100x10 ³

Contact ratings 12A
Mechanical endurance, DC coil 5x10⁶ operations

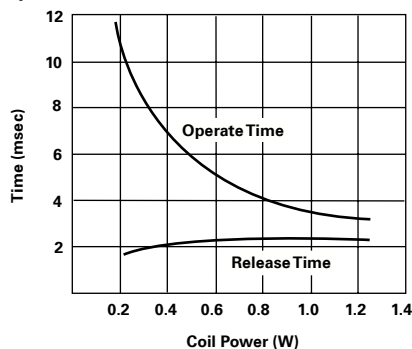
Coil Data

Coil voltage range	3 to 48VDC
Operative range, IEC 61810	1
Coil insulation system according UL	Class F

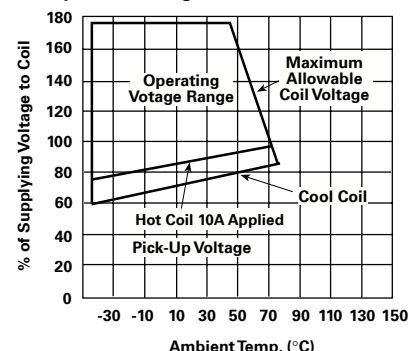
Electrical endurance



Operate time



Coil operative range



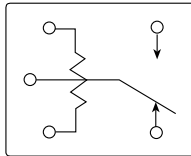
Miniature PCB Relay SRU Series (Continued)

Other Data

Material compliance: EU RoHS/ELV, China RoHS, REACH, Halogen content refer to the Product Compliance Support Center at www.tycoelectronics.com/customersupport/rohssupportcenter	
Ambient temperature	-30°C to +80°C
Category of environmental protection	
IEC 61810	RTII - flux proof RTIII - wash tight
Shock resistance (functional)	10g
Shock resistance (destructive)	100g
Weight	12g
Resistance to soldering heat THT	
IEC 60068-2-20	RTII: 270°C/10s RTIII: 260°C/5s
Packaging/unit	tube/25 pcs., carton box/1000 pcs.

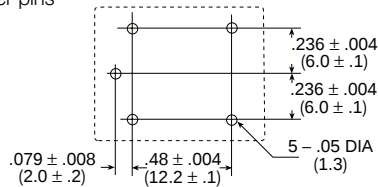
Terminal assignment

Bottom view on solder pins

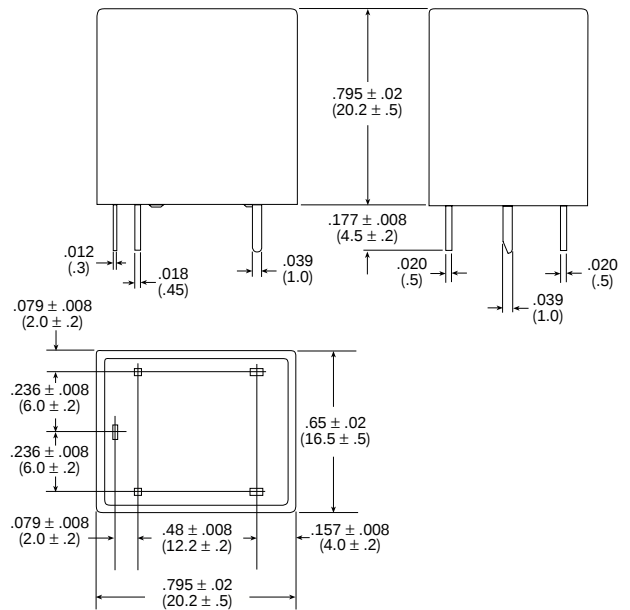


PCB layout

Bottom view on solder pins



Dimensions



Miniature PCB Relay SRU Series (Continued)

Product code structure	Typical product code	SRUDH	-SS	-1	12	D	M	1	F	,000
Type SRUDH Miniature PCB Relay SRU series										
Enclosure SS Flux proof SH Immersion cleanable case with knock-off nib										
Number of poles 1 1 pole										
Coil voltage Coil code: please refer to coil versions table (e.g. 05=5VDC)										
Coil input D Standard										
Contact arrangement Blank 1 form C (CO) contact M 1 form A (NO) contact										
Contact material 1 AgCdO 2 AgSnO ₂ 4 AgSnOInO										
UL insulation system Blank UL Class A F UL Class F										
Suffix ,000 Standard										

Other types on request

Product code	Enclosure	Coil	Arrangement	Cont.material	Insulation	Part number
SRUDH-SH-106D1,000	Wash tight	6VDC	1 form C (CO)	AgCdO	Class A	7-1419126-7
SRUDH-SH-112D1,000		12VDC				8-1419126-1
SRUDH-SH-112DM1,000			1 form A (NO)			8-1419126-4
SRUDH-SH-124D1,000		24VDC	1 form C (CO)			1440003-7
SRUDH-SH-124DM1,000			1 form A (NO)			9-1419126-0
SRUDH-SH-124DM1F,0000					Class F	1440003-8
SRUDH-SH-148D1,000		48VDC	1 form C (CO)		Class A	9-1419126-4
SRUDH-SS-105D1,000	Flux proof	5VDC				9-1419126-7
SRUDH-SS-109D1,000		9VDC				1419127-3
SRUDH-SS-112D1,000		12VDC				1-1419127-2
SRUDH-SS-112DM1,000			1 form A (NO)			1-1419127-6
SRUDH-SS-112DM2F,00000				AgSnO	Class F	2071054-5
SRUDH-SS-124D1,000		24VDC	1 form C (CO)	AgCdO	Class A	2-1419127-3
SUUH-SH-112D1,000	Wash tight	12VDC				1-1461759-0
SUUH-SH-112DM4,000			1 form A (NO)	AgSnOInO		1-1649406-0
SUUH-SH-124DM4,000		24VDC				1-1649406-1
SUUH-SS-112D1F,000	Flux proof	12VDC	1 form C (CO)	AgCdO	Class F	1649501-4
SUUH-SS-112D4,000				AgSnOInO	Class A	1649408-4
SUUH-SS-124D4,000		24VDC				1649408-5
SUUH-SS-124DM4,000			1 form A (NO)			1649406-5