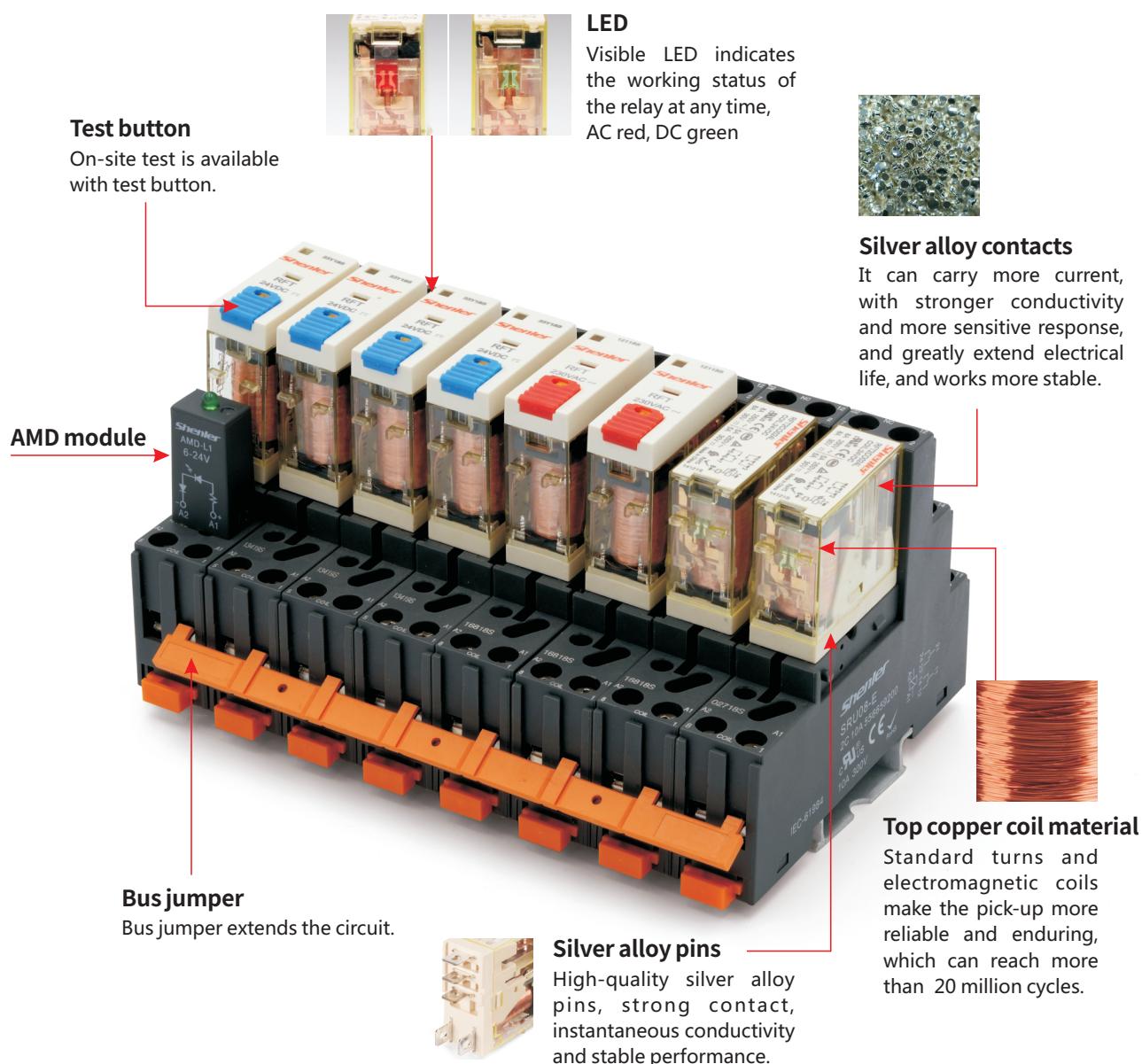


Selection manual of industrial control relay

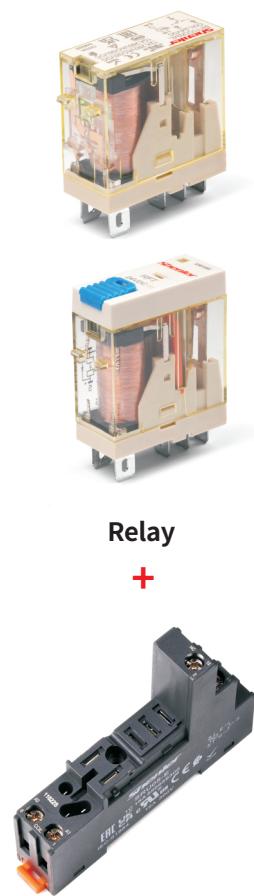
RFT Interface Relay

- Slim and compact size
- 1 pole 12A; 2 pole 8A
- With non-polarity LED integrated in relay
- With lockable test button and inspection window
- Identification of coils through test button color (AC red/DC blue)
- Conformity with RoHs Directive



Selection manual of industrial control relay

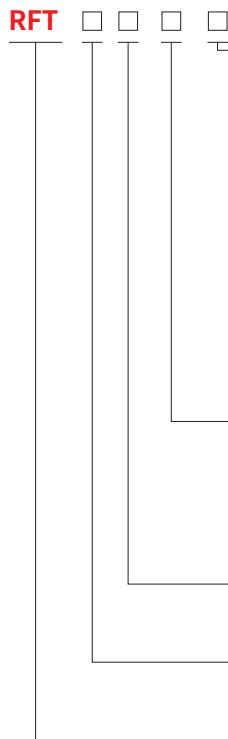
RFT Interface Relay



Socket



Relay module



Other options

blank: standard type
 L: with LED
 D: with diode (1-,5+ ; 1-,8+)
 D1: with diode(1+,5- ; 1+,8-)
 LD: with LED and diode (1-,5+ ; 1-,8+)
 LD1: with LED and diode (1+,5- ; 1+,8-)
 LT: LED + Test button
 LTD: LED + test button+diode (1-,5+ ; 1-,8+)
 LTD1: LED + test button+diode (1+,5- ; 1+,8-)
 B: cover with flange (selection plus B, namely LB,DB,LDB, etc.)
 A:gold plated contact

Coil voltage code

Code	006	012	024	048	110	
Voltage (V DC)	6	12	24	48	110	
Code	506	524	536	548	615	730
Voltage (V AC)	6	24	36	48	115	230

Terminal arrangement

O: plug in

Contact form

1C: 1CO
2C: 2CO

Series

Characteristics

	Configuration	1C	2C
Load	Resistance	12A/250VAC, 30VDC	8A/250VAC, 30VDC
	Motor load	1/3HP, 240VAC	1/6HP, 240VAC
Max. switching capacity (resistive)		3000VA, 360W	2000VA, 240W
Min. switching capacity		170mW(17V/10mA)	
Initial contact resistance		$\leq 50\text{m}\Omega$	
Material		Ag alloy	
Electrical durability (high temp., frequency 1s on, 1s off)		$\geq 20 \times 10^4$ Cycles (1800 Ops/h)	
Electrical durability (normal temp., frequency 1s on, 5s off)		$\geq 30 \times 10^4$ Cycles(600 Ops/h)	
Mechanical durability		$\geq 2000 \times 10^4$ Cycles (18000 Ops/h)	
Pick-up voltage (23°C) (Rated voltage)		DC: $\leq 75\%$,AC: $\leq 80\%$ 50/60Hz	
Drop-out voltage (23°C) (Rated voltage)		DC: $\geq 10\%$,AC: $\geq 30\%$ 50/60Hz	
Maximum voltage (23°C)(Rated voltage)		110%	
Insulation resistance		$\geq 1000\text{M}\Omega$ (500VDC)	
Coil operating power	DC(W)	approx. 0.53	
	AC(VA)	approx. 1.0	
Operate time (at nominal voltage)		$\leq 20\text{ms}$	
Release time (at nominal voltage)		$\leq 10\text{ms}$	
Initial breakdown voltage	Between open contacts	1000VAC/1min (leakage current 1mA)	
	Between poles	3000VAC/1min (leakage current 1mA)	
	Between contacts and coil	5000VAC/1min (leakage current 1mA)	
Insulation characteristics	Rated voltage	250VAC	
IEC 60664 UL840	Pollution level	3	
	Overvoltage level	III	
	Impulse withstand voltage (waveform: 1.2/50μs)	4000V	

Selection manual of industrial control relay

RFT Interface Relay

Protection level	IP20
Storage temperature/ humidity	55~+85°C/5%~68%RH(18 months)
Working temperature/ humidity	-40~+55°C/5%~85%RH((No condensation)
Air pressure	86~106KPa
Shock resistance	10G (half-sine shock pulse: 11ms)
Vibration resistance	10~55Hz double-amplitude:1.0mm
Mounting	plug in
Unit weight	approx. 18g

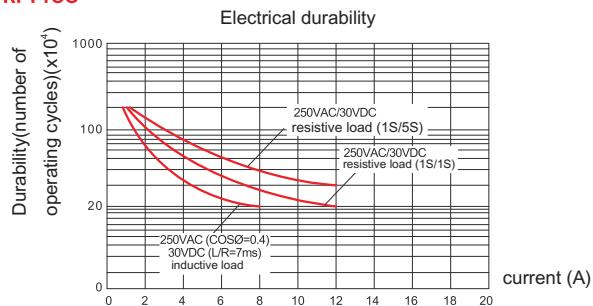
Coil Specifications (23°C)

Nominal voltage V.DC	6	12	24	48	110	
Coil resistance Ω	68	270	1100	4300	22800	
Nominal voltage V.AC	6	12	24	48	115	230
Coil resistance Ω	16	63	240	1085	6300	23000

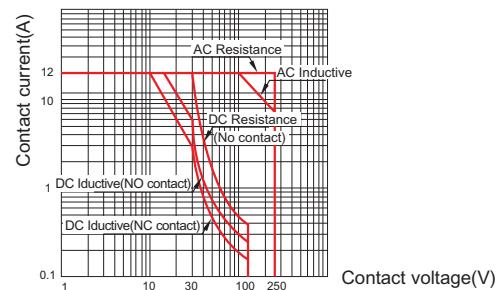
Coil resistance: under coil voltage 110V are measured with tolerance of $\pm 10\%$, above 110V with tolerance of $\pm 15\%$.

Contact Specification

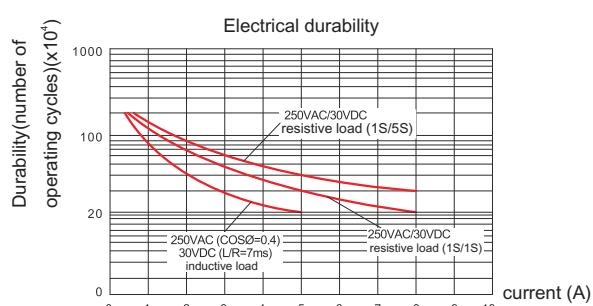
RFT1CO



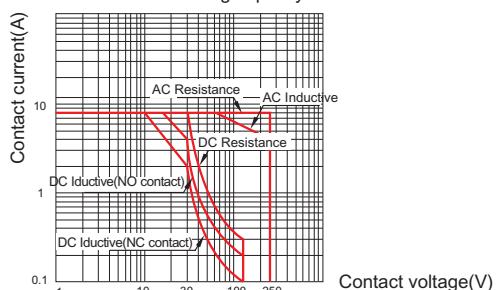
Maximum switching capacity



RFT2CO



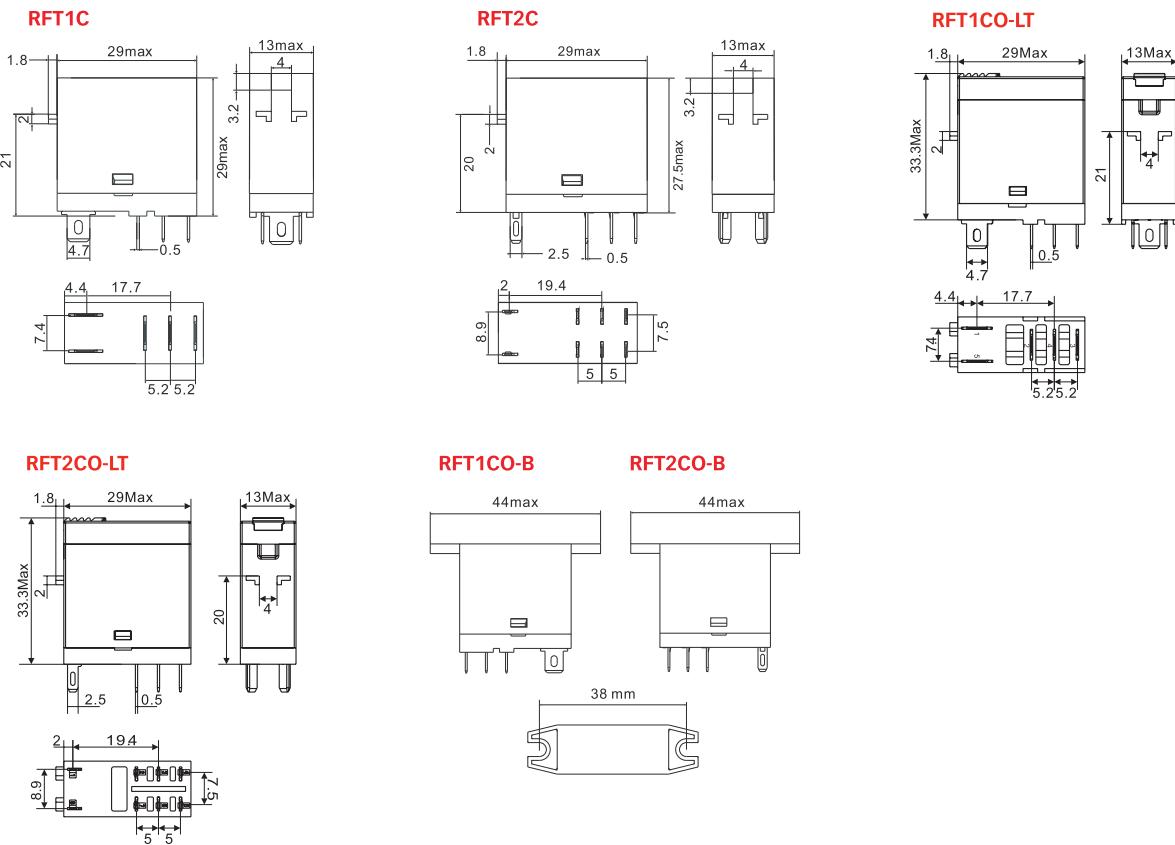
Maximum switching capacity



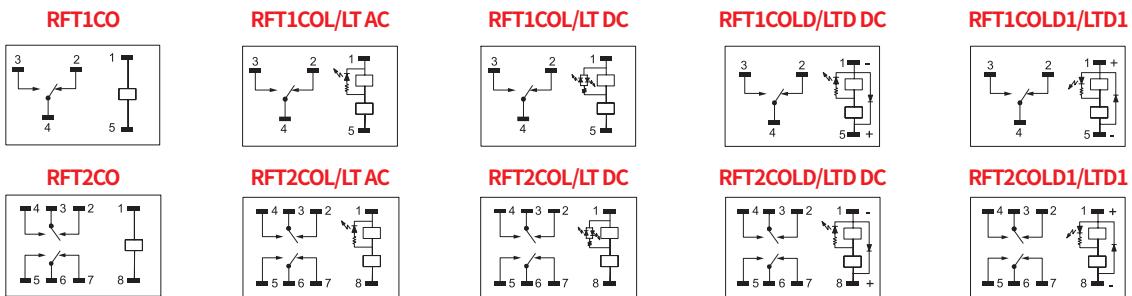
Selection manual of industrial control relay

RFT Interface Relay

Dimensions (mm)



Wiring Diagrams



Characteristics



SRT05-A

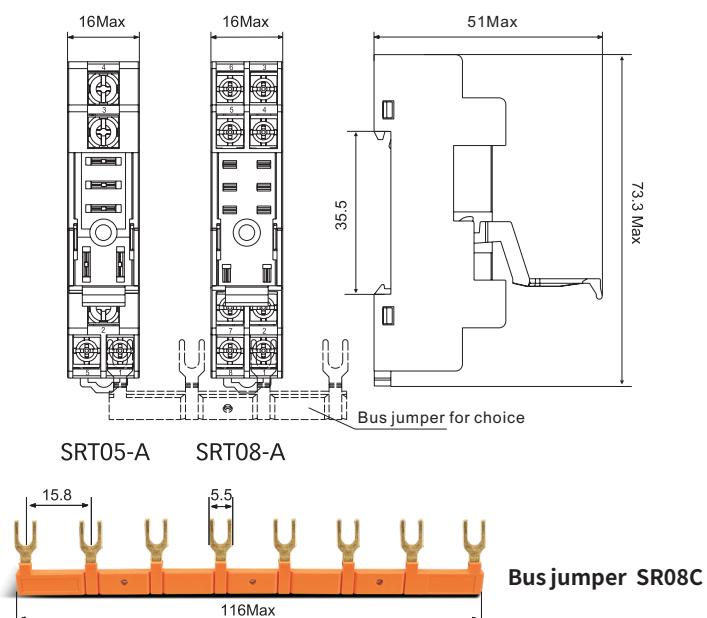


SRT08-A



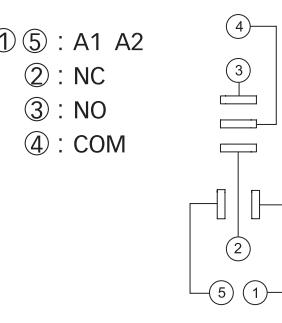
Type		SRT05-A	SRT08-A
Nominal load	Current	A	16
	Voltage	V	300
Dielectric strength	Between coil and contact	V/min	4000
	Between contacts	V/min	2500
Max. tightening torque		Nm	1.0
Wire size		AWG/mm ²	20-14/0.5-2.5
Ambient temperature		°C	-40~+85
Unit weight		g	22 27
Accessories			
	Plastic clip		Bus jumper
	SR20 (included in socket)		SR08C

Dimensions (mm)



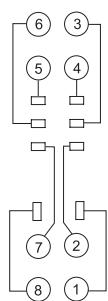
Connection Diagrams

- ① ⑤ : A1 A2
- ② : NC
- ③ : NO
- ④ : COM



SRT05-A

- ① ⑧ : A1 A2
- ② ⑦ : NC
- ④ ⑤ : NO
- ③ ⑥ : COM



SRT08-A

Characteristics



SRT05-E



Type		SRT05-E	SRT08-E
Nominal load	Current	A	16
	Voltage	V	300
Dielectric strength	Between coil and contact	V/min	4000
	Between contacts	V/min	2500
Max. tightening torque		Nm	1.0
Wire size		AWG/mm ²	20-14/0.5-2.5
Ambient temperature		°C	-40~+85
Unit weight		g	22

Accessories

SRT08-E



Plastic clip



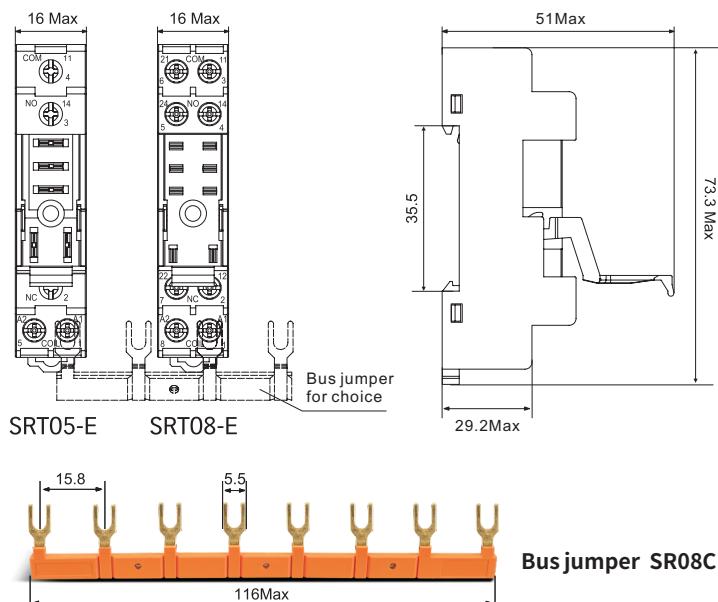
SR20
(included in socket)

Bus jumper



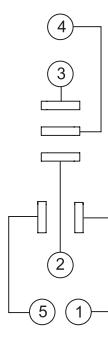
SR08C

Dimensions (mm)



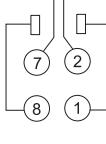
Connection Diagrams

- ① ⑤ : A1 A2
- ② : NC
- ③ : NO
- ④ : COM



SRT05-E

- ⑥ ③ : A1 A2
- ⑤ ④ : NC
- ④ ⑤ : NO
- ③ ⑥ : COM



SRT08-E

Characteristics



SRT05-ES



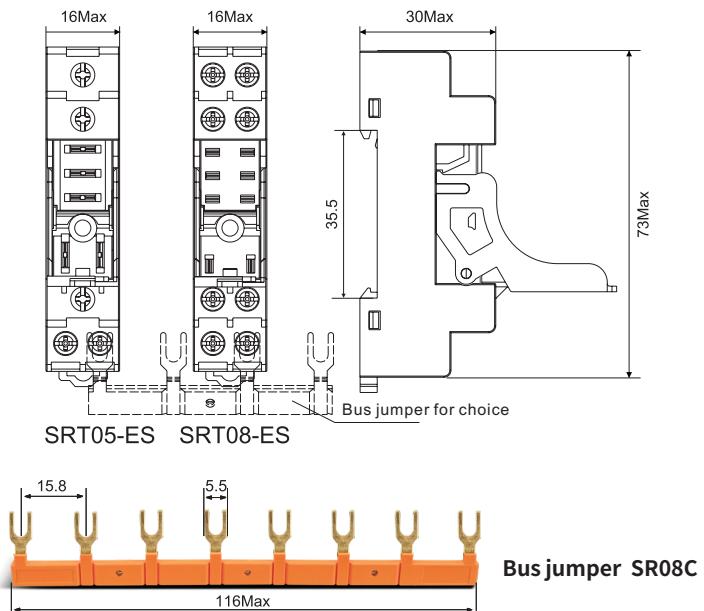
SRT08-ES



Type		SRT05-ES	SRT08-ES
Nominal load	Current	A	16
	Voltage	V	300
Dielectric strength	Between coil and contact	V/min	4000
	Between contacts	V/min	2500
Max. tightening torque		Nm	1.0
Wire size		AWG/mm ²	20-14/0.5-2.5
Ambient temperature		°C	-40~+85
Unit weight		g	22 27

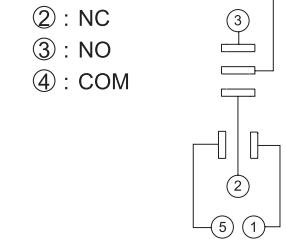
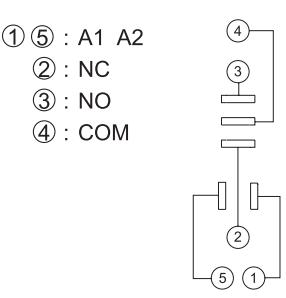
Accessories		
Socket	Plastic clip	Bus jumper
SRT05-ES		
SRT08-ES	SR20L (included in socket)	

Dimensions (mm)



Connection Diagrams

- ① ⑤ : A1 A2
- ② : NC
- ③ : NO
- ④ : COM



Characteristics



SRU05-E



SRU08-E



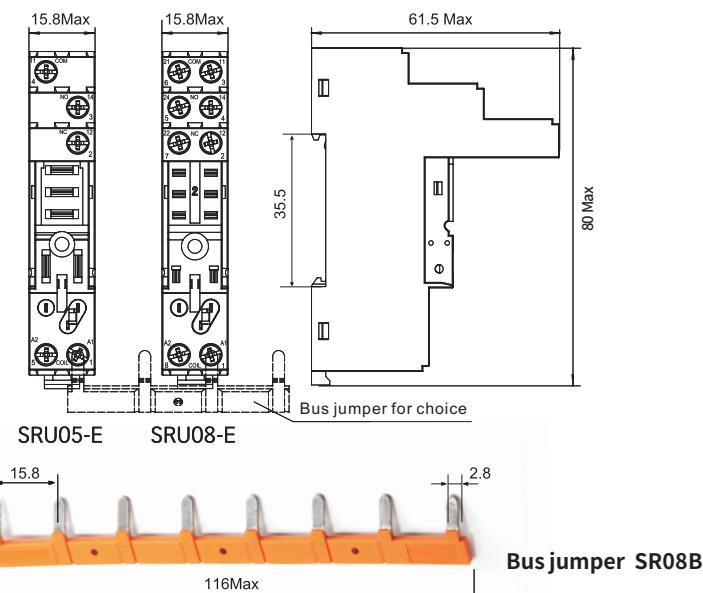
Type			SRU05-E	SRU08-E
Nominal load	Current	A	16	10
	Voltage	V	300	
Dielectric strength	Between coil and contact	V/min	4000	
	Between contacts	V/min	2500	
Max. tightening torque		Nm	1.0	
Wire size		AWG/mm ²	20-14/0.5-2.5	
Ambient temperature		°C	-40~+85	
Unit weight		g	35	43

Accessories

Socket	Plastic clip	Metal clip ★	ID tag	Module	Bus jumper
SRU05-E		SR27M			
SRU08-E	SR20T	SR32M	SR2P	AMD	SR08B

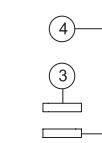
★ SR27M is for relay with no test button; SR32M is for relay with test button.

Dimensions (mm)

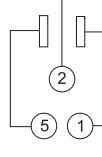


Connection Diagrams

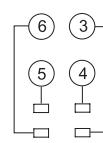
- ① ⑤ : A1 A2
- ② : NC
- ③ : NO
- ④ : COM



- ① ⑧ : A1 A2
- ② ⑦ : NC
- ④ ⑤ : NO
- ③ ⑥ : COM

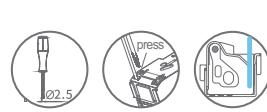


SRT05-E



SRT08-E

Characteristics



SRU05-ST



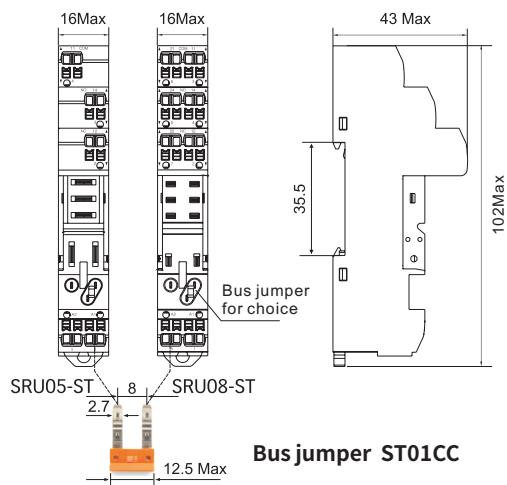
Type		SRU05-ST	SRU08-ST
Nominal load	Current	A	16
	Voltage	V	300
Dielectric strength	Between coil and contact	V/min	4000
	Between contacts	V/min	2500
Max. tightening torque		Nm	-
Wire size		AWG/mm ²	20-14/0.5-2.5
Ambient temperature		°C	-40~+85
Unit weight		g	35 43

Accessories

Socket	Plastic clip	Metal clip ★	ID tag	Module	Bus jumper
SRU05-ST		SR27M		AMD	
	SR20T	SR32M	SR2P		ST01CC

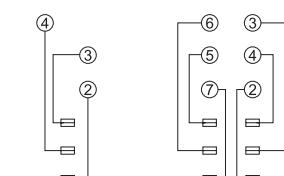
★ SR27M is for relay with no test button; SR32M is for relay with test button.

Dimensions (mm)

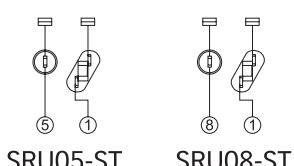


Connection Diagrams

- ① ⑤ : A1 A2
- ② : NC
- ③ : NO
- ④ : COM



- ① ⑧ : A1 A2
- ② ⑦ : NC
- ④ ⑤ : NO
- ③ ⑥ : COM



Characteristics

SRT05-P

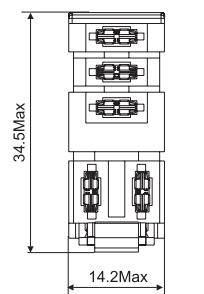


Type		SRT05-P	SRT08-P
Nominal load	Current	A	16
	Voltage	V	300
Dielectric strength	Between coil and contact	V/min	4000
	Between contacts	V/min	2500
Ambient temperature		°C	-40~+85
Unit weight		g	4

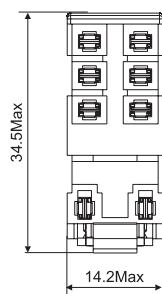
SRT08-P



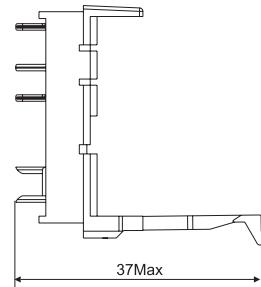
Dimensions (mm)



SRT05-P

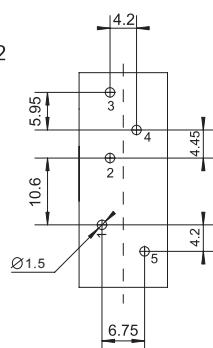


SRT08-P



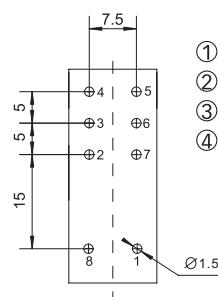
Connection Diagrams

- ① ⑤ : A1 A2
- ② : NC
- ③ : NO
- ④ : COM



SRT05-P
Bottom view

- ① ⑧ : A1 A2
- ② ⑦ : NC
- ③ ⑥ : COM
- ④ ⑤ : NO



SRT08-P
Bottom view