

C12-A21X/DC24V+S12-PI

2 pole | changeover contact



Main circuit

Available contact materials	AgNi + 0.2 µ Au
Recommended minimum contact load	10 mA / 10 V
Maximum contact load AC	5 A / 250 V AC-1
Maximum contact load DC	5 A / 30 V DC-1
Rated load	5 A / 250 V
Inrush current	15 A, 20 ms
Rated load AC	1 200 VA
Rated load DC	fig. 3.
Rated current	5 A
Mechanical endurance (cycles)	≥ 10 000 000
Electrical endurance at rated load AC-1 (cycles)	≥ 100 000

Control circuit

Nominal voltage	see table product references
Operating voltage range	$0.8 U_N \dots 1.1 U_N$
Pick-up voltage	$\leq 0.8 U_N$
Release voltage	$\geq 0.1 U_N$
Power consumption AC / DC	1.1 VA / 0.7 W

Coil table

V DC	Ohm	mA
24	742	32

Insulation

Test voltage all terminals / DIN rail	2.5 kV rms / 1 min
Test voltage terminal / terminal	2.5 kV rms / 1 min
Test voltage open contact	1 kV rms / 1 min
Test voltage contact / coil	5 kV rms / 1 min
Overvoltage category	III
Insulation resistance at 500 V	≥ 1 GΩ
Pollution degree relay	3

General data

Storage temperature (no ice)	-40 ... 80 °C
Operation temperature	-40 ... 60 °C
Pick-up time / bounce time	10 ms / ≤ 1 ms
Release time / bounce time	5 ms / ≤ 3 ms
Conductor cross section control / main circuit	
- Single wire	2 x 0.34 mm ² / AWG 22 ... 2 x 2.5 mm ² / AWG 14
- Multi wire (un-crimped)	2 x 0.34 mm ² / AWG 22 ... 2 x 2.5 mm ² / AWG 14
- Multi wire (crimped)	2 x 0.34 mm ² / AWG 22 ... 2 x 1.5 mm ² / AWG 16
- Single wire	2 x 0.34 mm ² / AWG 22 ... 2 x 2.5 mm ² / AWG 14
	Use copper conductors only
	Max. jacket diameter 4.0 mm
	Stripping length 8 mm
- Multi wire (un-crimped)	2 x 0.34 mm ² / AWG 22 ... 2 x 2.5 mm ² / AWG 14
	Use copper conductors only
	Max. jacket diameter 4.0 mm
	Stripping length 8 mm
- Multi wire (crimped)	2 x 0.34 mm ² / AWG 22 ... 2 x 1.5 mm ² / AWG 16
	Use copper conductors only
	Max. jacket diameter 4.0 mm
	Stripping length 8 mm
Mounting	TH35 (EN 60715)
Maximum switching frequency at rated load	1 200 / h
Weight	60 g
Housing material	PA / PC

Product references

Description	Type	24
LED	C12-A21X/DC...V + S12-PI	✓
Other voltages on request. Please contact support@comatreleco.com.		
«...» List coil voltage to complete product references		

Included Accessories

Retaining clip plastic	S10-CPI (BAG 10 PCS)
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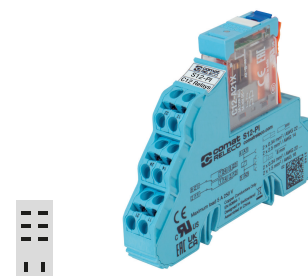


fig. 1. Wiring diagram

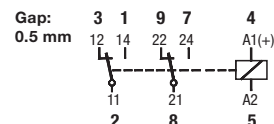


fig. 2. AC voltage endurance

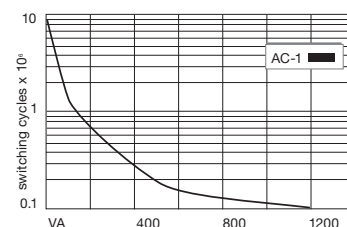


fig. 3. DC load limit curve

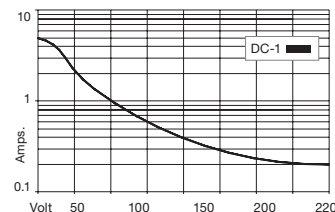
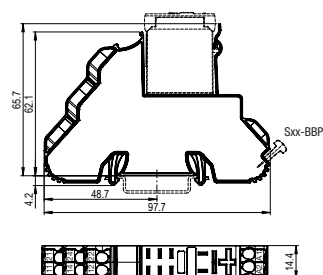


fig. 4. Dimensions (mm)



Technical approvals, conformities

Standards IEC/EN60947; IEC/EN 61810

Approvals

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Optional Accessories

Retaining clip | plastic
A2-Bridge for Sx-PI / Sx-PIR
2-pole potential bridge bar
Multi-operation tool kit
Marking strip
Cable Bridge

S10-CPI (BAG 10 PCS)
Sxx-BBPI (BAG 20 PCS)
Sxx-BBPI2 (BAG 20 PCS)
OT-PI kit
BS11-PI (50m tape)
BC-78-15-8-BK (BAG 20 PCS), BC-78-15-8-BU (BAG 20 PCS),
BC-78-15-8-RD (BAG 20 PCS)

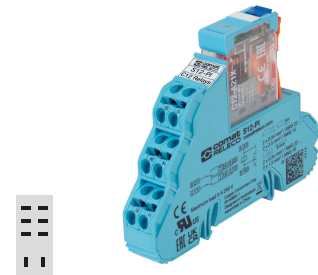


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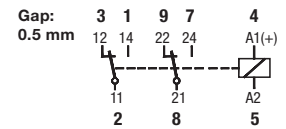


fig. 2. AC voltage endurance

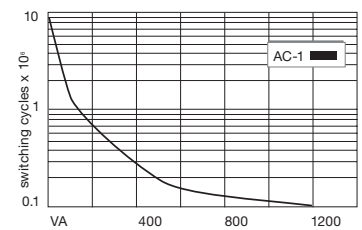


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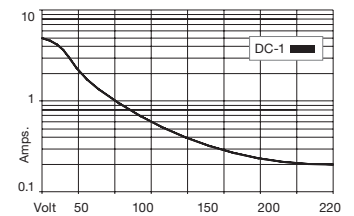
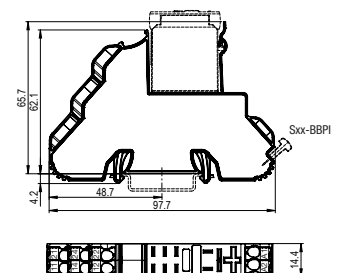


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