

C9-A41X/AC120V 60HZ+S9-PI

4 pole | changeover contact



Main circuit

Available contact materials	AgNi + 0.2 μ Au
Recommended minimum contact load	5 mA / 5 V
Maximum contact load AC	5 A / 250 V AC-1
Maximum contact load DC	5 A / 30 V DC-1
Inrush current	15 A, 20 ms
Rated load AC	1 250 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 ... 1.1 U _N
Pick-up voltage	≤ 0.8 U _N
Release voltage	≥ 0.1 U _N
Power consumption AC / DC	1.2 VA / 1 W

Coil table

V AC	Ohm	mA
120	3 973	9.5

Insulation

Test voltage all terminals / DIN rail	2.5 kV rms / 1 min
Test voltage terminal / terminal	2.0 kV rms / 1 min
Test voltage open contact	1 kV rms / 1 min
Test voltage contact / coil	2.5 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 / ≤ 3 ms
Release time / bounce time	6 ms / ≤ 1 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	105 g
Housing material	PA / PC

Product references

Description	Type	120
LED	C9-A41X/AC...V 60HZ+S9-PI	✓
Other voltages on request. Please contact support@comatreleco.com.		
«...» List coil voltage to complete product references		

Included Accessories

Retaining clip plastic	S7-CPI (BAG 10 PCS)
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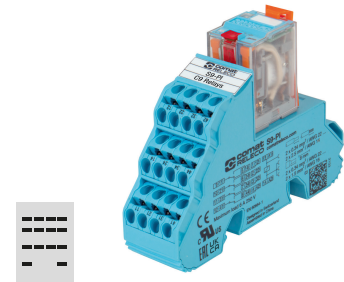


fig. 1. Wiring diagram

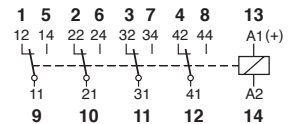


fig. 2. AC voltage endurance

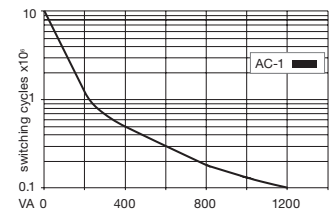


fig. 3. DC load limit curve

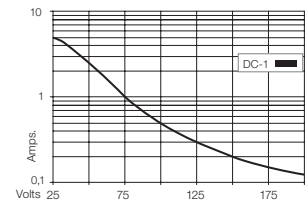
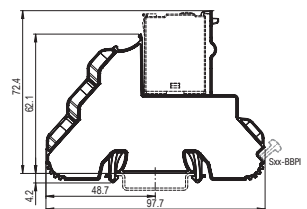


fig. 4. Dimensions (mm)



Technical approvals, conformities

Standards IEC/EN 60947; IEC/EN 61810

Approvals

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Optional Accessories

- Blanking plug
- Test Button w/o locking
- A2-Bridge for Sx-PI / Sx-PIR
- 2-pole potential bridge bar
- 4-pole potential bridge bar
- Multi-operation tool kit
- Marking strip
- Retaining clip | plastic
- Cable Bridge

- S9-NP (BAG 10 PCS)
- S9-OP (BAG 10 PCS)
- Sxx-BBPI (BAG 20 PCS)
- Sxx-BBPI2 (BAG 20 PCS)
- Sxx-BBPI4 (BAG 20 PCS)
- OT-PI kit
- BS11-PI (50m tape)
- S7-CPI (BAG 10 PCS)
- BC-78-15-8-BK (BAG 20 PCS), BC-78-15-8-BU (BAG 20 PCS), BC-78-15-8-RD (BAG 20 PCS)

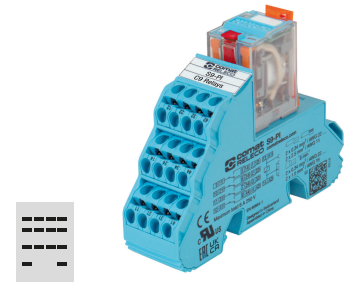


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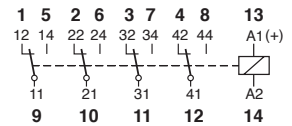


fig. 2. AC voltage endurance

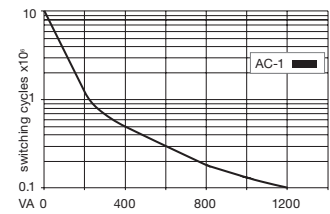


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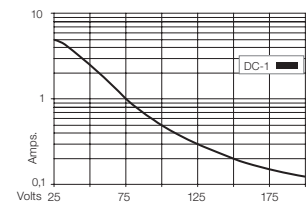
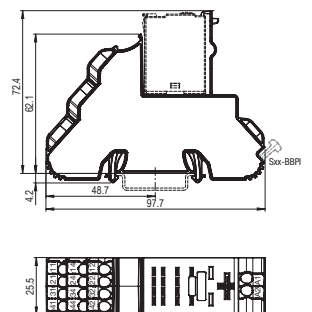


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