

# C7-A20X/AC120V 60HZ+S7-PI

2 pole | changeover contact



## Main circuit

Available contact materials	⚡ AgNi
Recommended minimum contact load	10 mA / 10 V
Maximum contact load AC	10 A / 250 V AC-1
Maximum contact load DC	10 A / 24 V DC-1
Inrush current	30 A, 20 ms
Rated load AC	2 500 VA
Rated load DC	fig. 3.
Rated current	10 A
Mechanical endurance (cycles)	≥ 10 000 000
Electrical endurance at rated load AC-1 / DC-1 (cycles)	≥ 300 000 / ≥ 100 000

## Control circuit

Nominal voltage	see table product references
Operating voltage range	0.8 U <sub>N</sub> ... 1.1 U <sub>N</sub>
Pick-up voltage	≤ 0.8 U <sub>N</sub>
Release voltage	≥ 0.1 U <sub>N</sub>
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	2.5 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	16 ms / ≤ 3 ms
Release time / bounce time	8 ms / ≤ 1 ms
Conductor cross section control / main circuit	
- Single wire	2 x 0.34 mm <sup>2</sup> / AWG 22 ... 2 x 2.5 mm <sup>2</sup> / AWG 14
- Multi wire (un-crimped)	2 x 0.34 mm <sup>2</sup> / AWG 22 ... 2 x 2.5 mm <sup>2</sup> / AWG 14
- Multi wire (crimped)	2 x 0.34 mm <sup>2</sup> / AWG 22 ... 2 x 1.5 mm <sup>2</sup> / AWG 16
- Single wire	2 x 0.34 mm <sup>2</sup> / AWG 22 ... 2 x 2.5 mm <sup>2</sup> / 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 <sup>2</sup> / AWG 22 ... 2 x 2.5 mm <sup>2</sup> / AWG 14
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Mounting	TH35 (EN 60715)
Maximum switching frequency at rated load	1 200 / h
Weight	81 g
Housing material	PA / PC

## Product references

Description	Type	120
LED	C7-A20X/AC...V 60HZ+S7-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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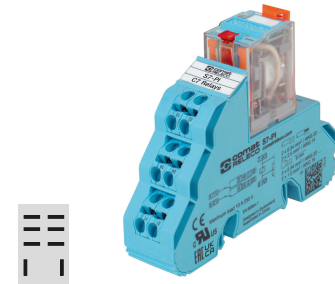


fig. 1. Wiring diagram

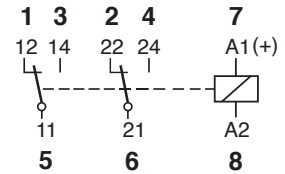


fig. 2. AC voltage endurance

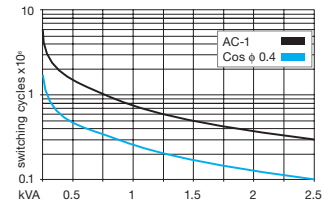


fig. 3. DC load limit curve

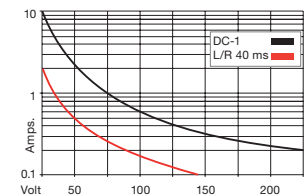
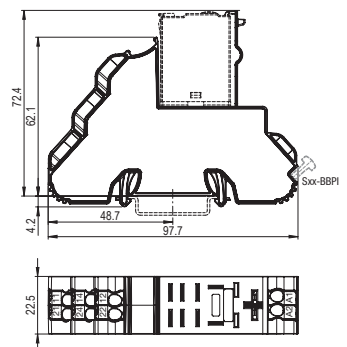


fig. 4. Dimensions (mm)



## Technical approvals, conformities

Standards IEC/EN 60947; IEC/EN 61810



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## Optional Accessories

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

- S9-NP (BAG 10 PCS)
- S9-OP (BAG 10 PCS)
- S7-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)

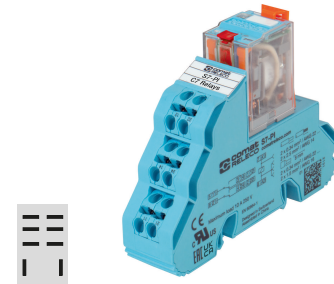


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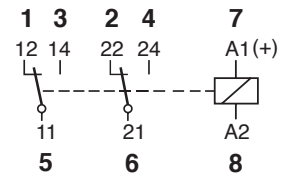


fig. 2. AC voltage endurance

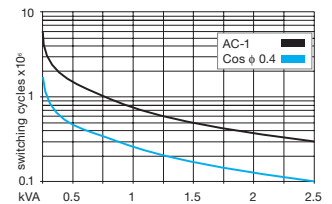


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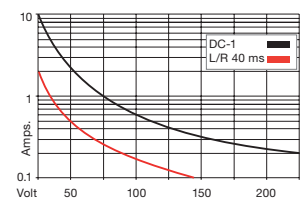
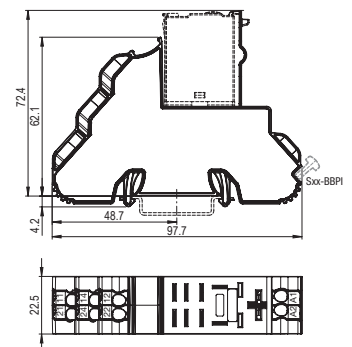


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