


88974031 : Millenium 3 Custom - Custom "Compact" range without display - CB20 Custom

- ✓ "Modular" versions designed for Custom application-specific functions (Custom functions)
- ✓ No display or parameter-setting buttons to avoid tampering by unauthorised users



Part number characteristics	88974031
Input	12 digital (including 6 analogue)
Output	8 relays 8 A
Supply	24 V DC

General characteristics

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General characteristics	
	See page 22, except:
Certifications	UL, CSA
Operating temperature	-30 → +70°C (DC) ; -20 → +70° C (AC) ; Operating temperature @ 100% (Relays 6A) Operating temperature @ 66% (Relays 8A)
Storage temperature	-40 → +80°C
General environment characteristics for CB, CD, XD, XB, XR and XE product types	
Certifications	UL, CSA GL: except for 88 970 32x (pending)
Conformity with the low voltage directive	In accordance with 73/23/EEC: EN (IEC) 61131-2 (Open equipment)
Conformity with the EMC directive	In accordance with 89/336/EEC: EN (IEC) 61131-2 (Zone B) EN (IEC) 61000-6-2, EN (IEC) 61000-6-3 (*) EN (IEC) 61000-6-4 (*) Except configuration (88 970 1.1 or 88 970 1.2) + (88 970 250 or 88 970 270) + 88 970 241 class A (class B: pending)
Earthing	None
Protection rating	In accordance with IEC/EN 60529: IP40 on front panel IP20 on terminal block
Overvoltage category	3 in accordance with IEC/EN 60664-1
Pollution	Degree: 2 in accordance with IEC/EN 61131-2
Maximum utilisation altitude	Operation: 2000 m Transport: 3048 m
Mechanical resistance	Immunity to vibrations IEC/EN 60068-2-6, Fc test Immunity to shock IEC/EN 60068-2-2, Fa test
Resistance to electrostatic discharge	Immunity to ESD IEC/EN 61000-4-2, level 3
Resistance to HF interference	Immunity to radiated electrostatic fields IEC/EN 61000-4-3 Immunity to fast transients (burst immunity) IEC/EN 61000-4-4, level 3 Immunity to shock waves IEC/EN 61000-4-5 Radio frequency in common mode IEC/EN 61000-4-6, level 3 Voltage dips and breaks (AC) IEC/EN 61000-4-11

	Immunity to damped oscillatory waves IEC/EN 61000-4-12
Conducted and radiated emissions	Class B (*) in accordance with EN 55022/11 group 1 (* Except configuration (88 970 1.1 or 88 970 1.2) + (88 970 250 or 88 970 270) + 88 970 241 class A (class B: pending)
Operating temperature	-20 → +55°C (+40°C in a non-ventilated enclosure) in accordance with IEC/EN 60068-2-1 and IEC/EN 60068-2-2
Storage temperature	-40 → +70°C in accordance with IEC/EN 60068-2-1 and IEC/EN 60068-2-2
Relative humidity	95% max. (no condensation or dripping water) in accordance with IEC/EN 60068-2-30
Screw terminals connection capacity	Flexible wire with ferrule = 1 conductor: 0.25 to 2.5 mm (AWG 24...AWG 14) 2 conductors 0.25 to 0.75 mm (AWG 24...AWG 18) Semi-rigid wire = 1 conductor: 0.2 to 2.5 mm (AWG 25...AWG 14) Rigid wire = 1 conductor: 0.2 to 2.5 mm (AWG 25...AWG 14) 2 conductors 0.2 to 1.5 mm (AWG 25...AWG 16) Tightening torque = 0.5 N.m (4.5 lb-in) (tighten using screwdriver diam. 3.5 mm)

