

Smart "Expandable" range with display XD10 Smart Part number 88974142



- Highly visible blue LCD with 4 lines of 18 characters and configurable backlighting

- Allow the use of the entire library of specific functions blocs of the software workshop
 Extended temperature range (-20 °C →+70 °C)
 Analogue inputs 0-10 VDC, Potentiometer, NTC, LDR (0-20 mA/Pt100 with converters)
 Open to XN network communication extensions, digital I/O, analogue, Pt100 extensions

Pa	Part numbers					
	Type	Inputs	Outputs	Supply		
8	XD10 Smart	6 digital (including 4 analogue)	4 solid state 0.5 A (including 1 PWM)	24 V DC		

88974142 XD10 Smart 6 di	gital (including 4 analogue)	4 solid state 0.5 A (including 1 PWM)	24 V DC
Specifications			
General environment characteristics	for CB, CD, XD, XB, XR and XE produ	ct types	
Certifications	CE, UL, CSA, GL	от туров	
Conformity to standards (with the low volta and EMC directive)		uipment)	
	IEC/EN 61000-6-3 (*) IEC/EN 61000-6-4	38 970 1.1 or 88 970 1.2) + (88 970 250 or 88 970 270) + 88 970 241 clas	ss A (class B in a metal enclosure)
Earthing	Not included		,
Protection rating	In accordance with IEC/EN IP40 on front panel IP20 on terminal block	N 60529 :	
Overvoltage category	3 in accordance with IEC/I	EN 60664-1	
Pollution	Degree : 2 in accordance	with IEC/EN 61131-2	
Max operating Altitude	Operation : 2000 m Transport : 3048 m		
Mechanical resistance	Immunity to vibrations IEC/ Immunity to shock IEC/EN		
Resistance to electrostatic discharge	Immunity to ESD IEC/EN 61000-4-2, level 3		
Resistance to HF interference	Immunity to radiated elect IEC/EN 61000-4-3 Immunity to fast transients IEC/EN 61000-4-4, level 3 Immunity to shock waves IEC/EN 61000-4-5 Radio frequency in communitieC/EN 61000-4-6, level 3 Voltage dips and breaks (IEC/EN 61000-4-11 Immunity to damped oscil IEC/EN 61000-4-12	s (burst immunity) on mode AC) latory waves	
Conducted and radiated emissions	(*) Except configuration (8	with EN 55022, EN 55011 (CISPR22, CISPR11) group 1 88 970 1.1 or 88 970 1.2) + 0) + 88 970 241 class A (class B in a metal enclosure)	
Operating temperature		ns in VDC : -30 →+70 °C (+40 °C in a non-ventilated enclosure) N 60068-2-1 and IEC/EN 60068-22	
Storage temperature	-40 →+80 °C in accordance	ce with IEC/EN 60068-2-1 and	
Relative humidity	95 % max. (no condensati IEC/EN 60068-2-30	tion or dripping water) in accordance with	
Mounting	On symmetrical DIN rail, 3	5 x 7.5 mm and 35 x 15 mm, or on panel (2 x Ø 4 mm)	
Screw terminals connection capacity	Flexible wire with ferrule	<u> </u>	
	1 conductor : 0.25 to 2.5 n	nm ² (AWG 24AWG 14)	
	2 conductors 0.25 to 0.75 Semi-rigid wire =	mm ² (AWG 24AWG 18)	
	1 conductor : 0.2 to 2.5 mi Rigid wire =		
	1 conductor : 0.2 to 2.5 mi	m ² (AWG 25AWG 14)	
	2 conductors 0.2 to 1.5 mi Tightening torque =		
		using screwdriver diam. 3.5 mm) connectors (ref 88 970 313 and 88 970 317 for the RBT range)	

General characteristics

02/11/2015 www.crouzet.com

12/11/2015			www.crouzet.com	
Operating temperature	-20 →+70 °C			
Operating factor	100 % (6 A relays) 66 % (8 A relays)			
Storage temperature	• • • • • • • • • • • • • • • • • • • •			
LCD display	-40 →+80 °C Display with 4 lines of 19 characters, white characters on a blue background			
Processing characteristics of CB, CD, XD & XB p	product types			
LCD display	CD, XD : Display with 4 lines of 18 characters			
Programming method	Function blocks / SCF (Grafcet) or Ladder			
Program size	8 Kb: 350 typical blocks, 64 macros maximum, 256 blocks maximum per macro			
	or 120 lines in Ladder			
Program memory	Flash EEPROM			
Removable memory	EEPROM			
Data memory	368 bit/200 words			
Back-up time in the event of power failure	Program and settings in the controller : 10 years			
	Program and settings in the plug-in memory : 10 years			
	Data memory : 10 years			
Cycle time	FBD : 6 →90 ms (typically 20 ms)			
	Ladder : typically 20 ms			
Response time	Input acquisition time : 1 to 2 cycle times			
Clock data retention	10 years (lithium battery) at 25 °C			
Clock drift	Drift < 12 min/year (at 25 °C) 6 s/month (at 25 °C with user-definable correction of di	rift)		
Timer block accuracy	6 s/month (at 25 °C with user-definable correction of di 1 % ± 2 cycle times	1111)		
Start up time on power up	1 % ± 2 cycle times < 1,2 s			
Characteristics of products with AC power supp	lied			
Supply				
Nominal voltage	24 V AC	100 →24	0 V AC	
Operating limits	-15 % / +20 %	-15 % / +	10 %	
	or 20.4 V AC→28.8 V AC	or 85 V A	C→264 V AC	
Supply frequency range	50/60 Hz (+4 % / -6 %)	50/60 Hz	(+ 4 % / - 6 %) or 47 →53 Hz/57 →63 Hz	
	or 47 →53 Hz/57 →63 Hz			
Immunity from micro power cuts	10 ms (repetition 20 times)		petition 20 times)	
Max. absorbed power	CB12-CD12-XD10-XB10 : 4 VA		12-XD10-XB10 : 7 VA	
	CB20-CD20: 6 VA XD10-XB10 with extension: 7.5 VA		20 : 11 VA 10 with extension : 12 VA	
	XD26-XB26 : 7.5 VA		26 : 12 VA	
	XD26-XB26 with extension : 10 VA		26 with extension : 17 VA	
Isolation voltage	1780 V AC	1780 V A	C	
Innuto				
Inputs	24 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		100 - 240 \/ AC / 45 0/ / 140 0/\	
Input voltage	24 V AC (-15 % / +20 %) 4.4 mA @ 20.4 V AC		100 →240 V AC (-15 % / +10 %)	
Input current	5.2 mA @ 24.0 V AC		0.24 mA @ 85 V AC	
	6.3 mA @ 28.8 V AC		0.75 mA @ 264 V AC	
Input impedance	4.6 kΩ		350 kΩ	
Logic 1 voltage threshold	≥ 14 V AC		≥ 79 V AC	
Making current at logic state 1	> 2 mA		> 0.17 mA	
Logic 0 voltage threshold	≤5 V AC		≤ 20 V AC (≤ 28 V AC : XE10, XR06, XR10, XR14)	
Release current at logic state 0	< 0.5 mA		< 0.5 mA	
Response time with LADDER programming	50 ms		50 ms	
	State 0 →1 (50/60 Hz)		State 0 →1 (50/60 Hz)	
Response time with function blocks programming	Configurable in increments of 10 ms		Configurable in increments of 10 ms	
	50 ms min. up to 255 ms		50 ms min. up to 255 ms	
	State 0 →1 (50/60 Hz)		State 0 →1 (50/60 Hz)	
Maximum counting frequency	In accordance with cycle time (Tc) and input response t	time (Tr):	In accordance with cycle time (Tc) and input response time (Tr):	
Songer type	1/ ((2 x Tc) + Tr)		1/ ((2 x Tc) + Tr)	
Sensor type	Contact or 3-wire PNP		Contact or 3-wire PNP	
Input type	Resistive		Resistive	
Isolation between power supply and inputs	None None		None None	
Isolation between inputs Protection against polarity inversions	Yes		Yes	
Protection against polarity inversions Status indicator	Yes On LCD screen for CD and XD		Yes On LCD screen for CD and XD	
Status indicator	OILEOD SCIERTION OD AND		OIL FOR 2016611 IOL OD AUG VD	
Characteristics of relay outputs common to the				
	entire range			
Max. breaking voltage	entire range 5 →30 V DC			
	entire range 5 →30 V DC 24 →250 V AC			
Max. breaking voltage Breaking current	entire range 5 →30 V DC 24 →250 V AC CB-CD-XD10-XB10-XR06-XR10 : 8 A			
	entire range 5 →30 V DC 24 →250 V AC CB-CD-XD10-XB10-XR06-XR10: 8 A XD26-XB26: 8 x 8 A relays, 2 x 5 A relays			
	entire range 5 →30 V DC 24 →250 V AC CB-CD-XD10-XB10-XR06-XR10 : 8 A			
	entire range 5 →30 V DC 24 →250 V AC CB-CD-XD10-XB10-XR06-XR10 : 8 A XD26-XB26 : 8 x 8 A relays, 2 x 5 A relays XE10 : 4 x 5 A relays	maximum o	current according to the type of connection used	
	entire range 5 →30 V DC 24 →250 V AC CB-CD-XD10-XB10-XR06-XR10 : 8 A XD26-XB26 : 8 x 8 A relays, 2 x 5 A relays XE10 : 4 x 5 A relays XR14 : 4 x 8 A relays, 2 x 5 A relays	maximum o	current according to the type of connection used	
Breaking current	thire range 5 →30 V DC 24 →250 V AC CB-CD-XD10-XB10-XR06-XR10: 8 A XD26-XB26: 8 x 8 A relays, 2 x 5 A relays XE10: 4 x 5 A relays XR14: 4 x 8 A relays, 2 x 5 A relays RBT (Removable Terminal Blocks) versions: verify the	maximum c	current according to the type of connection used	
Breaking current	thire range 5 →30 V DC 24 →250 V AC CB-CD-XD10-XB10-XR06-XR10: 8 A XD26-XB26: 8 x 8 A relays, 2 x 5 A relays XE10: 4 x 5 A relays XR14: 4 x 8 A relays, 2 x 5 A relays RBT (Removable Terminal Blocks) versions: verify the Utilization category DC-12: 24 V, 1.5 A Utilization category DC-13: 24 V (L/R = 10 ms), 0.6 A Utilization category AC-12: 230 V, 1.5 A	maximum o	current according to the type of connection used	
Breaking current Electrical durability for 500 000 operating cycles	thire range 5 →30 V DC 24 →250 V AC CB-CD-XD10-XB10-XR06-XR10: 8 A XD26-XB26: 8 x 8 A relays, 2 x 5 A relays XE10: 4 x 5 A relays XR14: 4 x 8 A relays, 2 x 5 A relays RBT (Removable Terminal Blocks) versions: verify the Utilization category DC-12: 24 V, 1.5 A Utilization category DC-13: 24 V (L/R = 10 ms), 0.6 A Utilization category AC-15: 230 V, 1.5 A Utilization category AC-15: 230 V, 0.9 A	maximum o	current according to the type of connection used	
Breaking current Electrical durability for 500 000 operating cycles Max. Output Common Current	thire range 5 →30 V DC 24 →250 V AC CB-CD-XD10-XB10-XR06-XR10:8 A XD26-XB26:8 x 8 A relays, 2 x 5 A relays XE10:4 x 5 A relays XR14:4 x 8 A relays, 2 x 5 A relays RBT (Removable Terminal Blocks) versions: verify the Utilization category DC-12:24 V, 1.5 A Utilization category DC-13:24 V (L/R = 10 ms), 0.6 A Utilization category AC-15:230 V, 0.9 A 12 A for O8, O9, OA	maximum o	current according to the type of connection used	
Breaking current Electrical durability for 500 000 operating cycles Max. Output Common Current Minimum switching capacity	sentire range 5 →30 V DC 24 →250 V AC CB-CD-XD10-XB10-XR06-XR10:8 A XD26-XB26:8 x 8 A relays, 2 x 5 A relays XE10:4 x 5 A relays XR14:4 x 8 A relays, 2 x 5 A relays RBT (Removable Terminal Blocks) versions: verify the Utilization category DC-12:24 V, 1.5 A Utilization category DC-13:24 V (L/R = 10 ms), 0.6 A Utilization category AC-12:230 V, 1.5 A Utilization category AC-15:230 V, 0.9 A 12 A for O8, O9, OA	maximum o	current according to the type of connection used	
Breaking current Electrical durability for 500 000 operating cycles Max. Output Common Current Minimum switching capacity Minimum load	therefore the second s	maximum o	current according to the type of connection used	
Breaking current Electrical durability for 500 000 operating cycles Max. Output Common Current Minimum switching capacity	entire range 5 →30 V DC 24 →250 V AC CB-CD-XD10-XB10-XR06-XR10: 8 A XD26-XB26: 8 x 8 A relays, 2 x 5 A relays XE10: 4 x 5 A relays XR14: 4 x 8 A relays, 2 x 5 A relays RBT (Removable Terminal Blocks) versions: verify the Utilization category DC-12: 24 V, 1.5 A Utilization category DC-13: 24 V (L/R = 10 ms), 0.6 A Utilization category AC-15: 230 V, 1.5 A Utilization category AC-15: 230 V, 0.9 A 12 A for O8, O9, OA 10 mA (at minimum voltage of 12 V) 12 V, 10 mA Off load: 10 Hz	maximum o	current according to the type of connection used	
Breaking current Electrical durability for 500 000 operating cycles Max. Output Common Current Minimum switching capacity Minimum load	therefore the second s	maximum o	current according to the type of connection used	

2/11/2015		(EN 0000 / / · · · · ·	www.crouzet.c	
Voltage for withstanding shocks	In accordance with IEC/EN 60947-1 and IEC/	/EN 60664-1 : 4 kV		
Off-cycle response time	Make 10 ms Release 5 ms			
Built-in protections	Against short-circuits : None			
	Against overvoltages and overloads : None			
Status indicator	On LCD screen for CD and XD			
Characteristics of product with DC power su	pplied			
Supply				
Nominal voltage	12 V DC	24 V DC		
Operating limits	-13 % / +20 %	-20 % / +25 %		
	or 10.4 V DC→14.4 V DC (including ripple)	or 19.2 V DC→30 V	DC (including ripple)	
Immunity from micro power cuts	≤ 1 ms (repetition 20 times)	≤ 1 ms (repetition 20	times)	
Max. absorbed power	CB12 with solid state outputs: 1.5 W CD12: 1.5 W CD20: 2.5 W XD26-XB26: 3 W XD26-XB26 with extension: 5 W XD26 with solid state outputs: 2.5 W	XD10-XB10 With relay outputs: 4 W XD26-XB26 with solid state outputs: 5 W CB20-CD20 with relay outputs: 6 W XD26 with relay outputs: 6 W XD10-XB10 with extension: 8 W		
Protection against polarity inversions	Yes	Yes		
Digital inputs (I1 to IA and IH to IY)				
Input voltage	12 V DC (-13 % / +20 %)		24 V DC (-20 % / +25 %)	
Input current	3.9 mA @ 10.44 V DC		2.6 mA @ 19.2 V DC	
	4.4 mA @ 12.0 V DC		3.2 mA @ 24 V DC	
	5.3 mA @ 14.4 VDC		4.0 mA @ 30.0 VDC	
Input impedance	2.7 kΩ		7.4 kΩ	
Logic 1 voltage threshold	≥7 V DC		≥ 15 V DC	
Making current at logic state 1	≥ 2 mA		≥ 2.2 mA	
Logic 0 voltage threshold	≤3 V DC		≤5 V DC	
Release current at logic state 0	< 0.9 mA		< 0.75 mA	
Response time	1 →2 cycle times + 6 ms		1 →2 cycle times + 6 ms	
Maximum counting frequency	Inputs I1 & I2 : FBD (up to 6 k Hz) & Ladder (Inputs I3 to IA & IH to IY : In accordance with input response time (Tr) : 1/ ((2 x Tc) + Tr)		Inputs I1 & I2 : FBD (up to 6 k Hz) & Ladder (1 k Hz) Inputs I3 to IA & IH to IY : In accordance with cycle time (Tc) an input response time (Tr) : 1/ ((2 x Tc) + Tr)	
Sensor type	Contact or 3-wire PNP		Contact or 3-wire PNP	
Conforming to IEC/EN 61131-2	Type 1		Type 1	
Input type	Resistive		Resistive	
Isolation between power supply and inputs	None		None	
Isolation between inputs	None		None	
Protection against polarity inversions	Yes		Yes	
Status indicator	On LCD screen for CD and XD		On LCD screen for CD and XD	
Analogue or digital inputs (IB to IG)				
CB12-CD12-XD10-XB10	4 inputs IB →IE		4 inputs IB →IE	
CB20-CD20-XB26-XD26	6 inputs IB →IG		6 inputs IB →IG	
	o iliputo ib →io		о пірию ід —10	
nputs used as analogue inputsonly in FBD	(0. 40.10) == (0. 11)		(0. 40.10 (0. 1/2	
Measurement range	$(0 \rightarrow 10 \text{ V}) \text{ or } (0 \rightarrow \text{V power supply})$		$(0 \rightarrow 10 \text{ V})$ or $(0 \rightarrow \text{V power supply})$	
Input impedance	14 kΩ		12 kΩ	
Input voltage	14.4 V DC max.		30 V DC max.	
Value of LSB	14 mV		29 mV	
Input type	Common mode		Common mode	
Resolution	10 bit at max. input voltage		10 bit at max. input voltage	

Inputs used as analogue inputsonly in FBD			
Measurement range	$(0 \rightarrow 10 \text{ V}) \text{ or } (0 \rightarrow \text{V power supply})$	$(0 \rightarrow 10 \text{ V}) \text{ or } (0 \rightarrow \text{V power supply})$	
Input impedance	14 kΩ	12 kΩ	
Input voltage	14.4 V DC max.	30 V DC max.	
Value of LSB	14 mV	29 mV	
Input type	Common mode	Common mode	
Resolution	10 bit at max. input voltage	10 bit at max. input voltage	
Conversion time	Controller cycle time	Controller cycle time	
Accuracy at 25 °C	± 5 %	± 5 %	
Accuracy at 55 °C	± 6.2 %	± 6.2 %	
Repeat accuracy at 55 °C	± 2 %	± 2 %	
Isolation between analogue channel and power supply	None	None	
Cable length	10 m maximum, with shielded cable (sensor not isolated)	10 m maximum, with shielded cable (sensor not isolated)	
Protection against polarity inversions	Yes	Yes	
Potentiometer control	2.2 kΩ/0.5 W (recommended)	2.2 kΩ/0.5 W (recommended)	
	10 kΩ max.	10 kΩ max.	

Inputs used as digital inputs

inputs used as digital inputs		
Input voltage	12 V DC (-13 % / +20 %)	24 V DC (-20 % / +25 %)
Input current	0.7 mA @ 10.44 VDC	1.6 mA @ 19.2 VDC
	0.9 mA @ 12.0 VDC	2.0 mA @ 24.0 V DC
	1.0 mA @ 14.4VDC	2.5 mA @ 30.0 VDC
Input impedance	14 kΩ	12 kΩ
Logic 1 voltage threshold	≥7 V DC	≥ 15 VDC
Making current at logic state 1	≥ 0.5 mA	≥ 1.2 mA
Logic 0 voltage threshold	≤3 V DC	≤ 5 V DC
Release current at logic state 0	≤ 0.2 mA	≤ 0.5 mA
Response time	1 →2 cycle times	1 →2 cycle times
Maximum counting frequency in FBD	In accordance with cycle time (Tc) and input response time (Tr):	In accordance with cycle time (Tc) and input response time (Tr):
	1/ ((2 x Tc) + Tr)	1/ ((2 x Tc) + Tr)
Sensor type	Contact or 3-wire PNP	Contact or 3-wire PNP
Conforming to IEC/EN 61131-2	Type 1	Type 1
Input type	Resistive	Resistive
Isolation between power supply and inputs	None	None
Isolation between inputs	None	None
Protection against polarity inversions	Yes	Yes

02/11/2015 www.crouzet.com

02/11/2015		www.ciouzei.coi
Status indicator	On LCD screen for CD and XD	On LCD screen for CD and XD
Characteristics of relay outputs common to the	e entire range	
Max. breaking voltage	5 →30 V DC	
3 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	24 →250 V AC	
Max. Output Common Current	12A (10A UL) for O8, O9, OA	
Breaking current	CB-CD-XD10-XB10-XR06-XR10 : 8 A	
	XD26-XB26 : 8 x 8 A relays, 2 x 5 A relays	
	XE10: 4 x 5 A relays	
	XR14: 4 x 8 A relays, 2 x 5 A relays	
Electrical durability for 500 000 operating cycles	Utilization category DC-12 : 24 V, 1.5 A	
	Utilization category DC-13 : 24 V (L/R = 10 ms), 0.6 A Utilization category AC-12 : 230 V, 1.5 A	
	Utilization category AC-15 : 230 V, 0.9 A	
Minimum switching capacity	10 mA (at minimum voltage of 12 V)	
Minimum load	12 V, 10 mA	
Maximum rate	Off load : 10 Hz	
	At operating current : 0.1 Hz	
Mechanical life	10,000,000 (operations)	
Voltage for withstanding shocks	In accordance with IEC/EN 60947-1 and IEC/EN 60664-1: 4 kV	
Off-cycle response time	Make 10 ms	
	Release 5 ms	
Built-in protections	Against short-circuits : None	
	Against overvoltages and overloads : None	
Status indicator	On LCD screen for CD and XD	
Digital / PWM solid state output		
PWM solid state output*	CB12: O4	CD12-XD10-XB10 : O4
	XD26 : O4 →O7	CD20-XD26-XB26 : O4 →O7
* Only available with "FBD" programming language	* Only available with "FBD" programming language	
Breaking voltage	10.4 →30 V DC	19.2 →30 V DC
Nominal voltage	12-24 VDC	24 V DC
Nominal current	0.5 A	0.5 A
Max. breaking current	0,625 A	0,625 A
Voltage drop	≤ 2 V for I = 0.5 A (at state 1)	≤ 2 V for I = 0.5 A (at state 1)
Response time	Make ≤ 1 ms Release ≤ 1 ms	Make ≤ 1 ms Release ≤ 1 ms
Operating frequency	1 Maximum on inductive load	1 Maximum on inductive load
Built-in protections	Against overloads and short-circuits : Yes	Against overloads and short-circuits : Yes
Built-III protections	Against overloads and short-circuits . Tes	Against overloads and short-circuits . Tes
	Against inversions of power supply : Yes	Against inversions of power supply : Yes
	(*) In the absence of a volt-free contact between the logic	(*) In the absence of a volt-free contact between the logic
	controller output and the load	controller output and the load
Min. load	1 mA	1 mA
Maximum incandescent load	0,2 A / 12 V DC 0,1 A / 24 V DC	0,1 A / 24 V DC
Galvanic isolation	No	No
PWM frequency	14.11 Hz	14.11 Hz
	56.45 Hz	56.45 Hz
	112.90 Hz	112.90 Hz
	225.80 Hz	225.80 Hz

Accessories

Max. Breaking current PWM

Max. cable length PWM

PWM accuracy at 120 Hz

PWM accuracy at 500 Hz Status indicator

Туре	Description	Code
M3 Soft	Multilingual programming software containing specific library functions (CD-ROM)	88970111
PA	EEPROM memory cartridge	88970108
PA	3 m serial link cable : PC →Millenium 3	88970102
PA	USB cable 3 m : PC →Millenium 3	88970109
PA	Millenium 3 interface →Bluetooth® (class A 10 m)	88970104

 $0 \rightarrow \! 100$ % (256 steps for CD, XD and 1024 steps for XA)

< 5 % (20 % \rightarrow 80 %) load at 10 mA < 10 % (20 % \rightarrow 80 %) load at 10 mA

On LCD screen for XD

451.59 Hz

50 mA

20 m

1806.37 Hz

 $0 \rightarrow 100 \%$ (256 steps for CD, XD and 1024 steps for XA)

< 5 % (20 % \rightarrow 80 %) load at 10 mA

< 10 % (20 % \rightarrow 80 %) load at 10 mA

On LCD screen for CD and XD

Comments

* to be marketed 1st quarter 2006

Dimensions (mm)

XD10 Smart

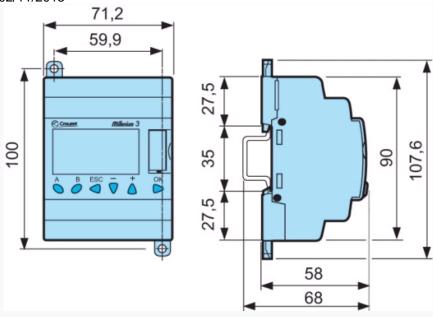
451.59 Hz

1806.37 Hz

50 mA

20 m

02/11/2015 www.crouzet.com



X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for Controllers category:

Click to view products by Crouzet manufacturer:

Other Similar products are found below:

61FGPN8DAC120 CV500SLK21 70177-1011 F03-03 HAS C F03-31 81550401 FT1A-C12RA-W 88981106 H2CAC24A H2CRSAC110B R88A-CRGB003CR-E R88ARR080100S R88A-TK01K DCN1-1 AFP0RT32CT DRT2ID08C DTB4896VRE DTB9696CVE DTB9696LVE E53-AZ01 E53E01 E53E8C E5C4Q40J999FAC120 E5CWLQ1TCAC100240 E5GNQ03PFLKACDC24 B300LKL21 NSCXDC1V3 NSH5-232CW-3M NT20SST122BV1 NV-CN001 OAS-160-N C40PEDRA K31S6 K33-L1B K3MA-F 100-240VAC K3TX-AD31A 89750101 L595020 SRM1-C02 SRS2-1 G32X-V2K 26546803 26546805 PWRA440A CPM1AETL03CH CV500SLK11 3G2A5B1081 3G2A5IA122 3G2A5LK010E 3G2A5OA223