



Automatic

Product designation Product type designation			Automatic transfer switch controller for 3 power sources and two tie- breakers, three phase control, with LCD display, built-in RS485, expandable ATL900
General characteristics			
Number of controlled power sources		Nr.	3
Number of tie-breaker controlled		Nr.	2
Display			Backlit LCD graphic display 128x112 pixel
Languages		Nr.	8
Expandability			3 expansion slost for EXP Modules
AC Power supply			
Rated supply voltage AC		VAC	100240
Operating supply voltage range AC		VAC	90264
Rated frequency		Hz	50/60
Operating frequency range		Hz	4566
Immunity time for microbreakings			
110	VAC	ms	≤40
	VAC	ms	≤200
Immunity time for microbreakings (with EXP expantions)			
	VAC	ms	≤20
	VAC	ms	≤100
Power consumption AC (Max)		VA	16.5
DC Power supply) /D O	10.01.10
Rated supply voltage DC		VDC	12-24-48
Operating supply voltage range DC		VDC	7.557.6
Current consumption Max		mA	510mA at 12VDC, 260mA at 24VDC, 135mA at 48VDC
Maximum power consumption / dissipation		W	6.5
Voltage inputs			
Maximum rated voltage Ue			100600VAC L-
-			L (346VAC L-N)
Measurement range		V	50720VAC L-L (415VAC L-N)



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Frequency range		Hz	4566Hz - 360 440Hz
Measurement method			True root mean square (TRMS)
Input impedance			, , , ,
	phase-phase		>1.10MΩ
	phase-neutral		>0.55MΩ
Management	·		±0.25% f.s. ±1
Measuring accurancy			digit
			Single-phase,
			two-phase, three-
NAVision as on a sile			phase line with or
Wiring mode			without neutral and balanced
			three-phase
			system
Current inputs			ey eterri
			for scale 5A:
Manager mant range			0.02 - 6A~ for
Measurement range			scale 1A: 0.02 -
			1.2A~
			Shunt supplied
To a setting to			by external
Type of input			current
			transformer (low voltage) 5A max
			True root mean
Measurement method			square (TRMS)
Overload capacity			1.2 le
Overload peak		Α	50A for 1 second
Burden per phase		W	<0.6VA
Digital inputs			
Number of digital input		Nr.	12
Type of digital input			Negative
Digital current inputs		mΑ	≤8
Low input signal		VDC	≤2.2
High input signal		VDC	≥3.4
Input signal delay		ms	≥50
Calendar clock			
Backup reserve power			Backup capacitor
Operating without power voltage			14 days
			approximately
Relay outputs Number of relay output		Nr.	10
Number of relay output		INI.	6 x 1NO-SPST +
Contact arrangement			4 x C/O-SPDT
Electrical life		cycles	10⁵
Mechanical life	C	cycles	10 ⁷
Static Outputs			4 (01/70)
Number of static output			1 (OUT8)
Static output type			NO
Operating voltage		V	1030
Maximum current		mA	50
Interface NEC interf			Vac
NFC interf.			Yes



Front optical USB communication port			Yes, with CX01 USB dongle
Tront optical COB communication port			(optional)
			Yes, with CX02
Front optical Wi-Fi communication port			Wi-Fi dongle
			(optional)
USB communication			EXP1010
			(optional)
RS232 communication			EXP1011
NOZOZ GOMINIGRIOGRAM			(optional)
			Built-in or
RS485 communication			EXP1012
			(optional)
Ethernet communication			EXP1013
			(optional)
Profibus communication			EXP1014
			(optional) EXP1015
Communication via Modem			(optional)
Functions			(optional)
Number of tie breakers that can be managed			2
Programmable source type			Yes
Closed transition			Yes
Non-priority load management			Yes
Switching management with power thresholds			Yes
PLC logic			Yes
Timer			Yes
System layout available on display			14
Custom system layouts			Yes
User alarms			Yes
Limits			Yes
Event logging			250
Real time clock with backup reserve energy			Yes
Acoustic alarms			Yes
			EXP1004
Analogue inputs			(optional)
			EXP1005
Analogue outputs			(optional)
			RGKRR
Accessory for alarm remoting			(optional)
Ambient conditions			
Temperature			
Operating temperature			
	min	°C	-30
<u> </u>	max	°C	+70
Storage temperature			
	min	°C	-30
	max	°C	+80
Relative humidity		%	<80%
Maximum Pollution degree			2
Overvoltage category			3
Measurement category			III
Climatic sequence			Z/ABDM (IEC/EN
Omnado sequence			60068-2-61)





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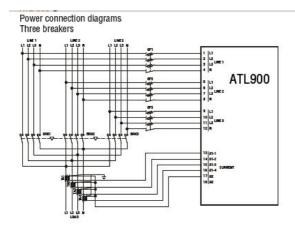
AUTOMATIC TRANSFER SWITCH CONTROLLER WITH OPTICAL PORT FOR 3 POWER SOURCES AND 2 TIE BREAKERS (180X240MM), POWER SUPPLY 110...240VAC AND 12/24/48VDC, EXPANDABLE WITH EXP... EXPANSION MODULES, BUILT-IN RS485, 3PH+N CURRENT INPUTS

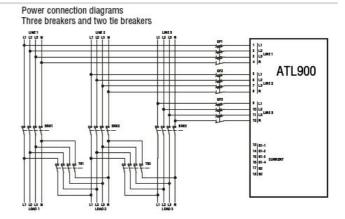
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	15g (IEC/EN 60068-2-27)
	0.7g (IEC/EN 60058-2-6)
	00000 2 0)
	Flush mount
	Polycarbonate
	Flush mount -
	panel cut-out
	220x160 mm
	IP65 on front,
	IP20 on terminals
mm	240 x 180 x 43.9
g	1800
220 (8.66") —	
	- 160 (6.30°)
	g



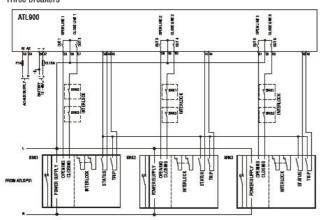
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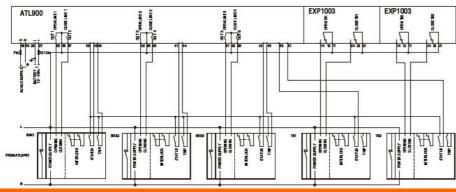




Control connection diagrams Three breakers



Control connection diagrams Three breakers and two tie breakers



Certifications and compliance

Compliance

CSA C22.2 n° 14
IEC/EN 60947-1
IEC/EN 60947-6-1
IEC/EN 61000-6-2
IEC/EN 61000-6-4
IEC/EN 61010-1
IEC/EN 61010-2
UL508

Certificates

cULus				
EAC			_	
RCM				





ETIM classification

ETIM 8.0

EC000236 - PLC CPU-module