







Newsletter April 2016



Life Is On

Schneider
Electric

Index

- New Altivar Process 900 with embedded services 
- New Altivar Machine 320 with integrated safety 
- Harmony flush mounting kit 
- XB5EV monolithique pilotlights with inbuilt suppressor & high brightness 
- New emergency stop labels 
- Launch of RM22 control relays and end of life of RM4 

New Altivar Process 900 with embedded services

The 3 main benefits



1

Service oriented

- Energy management
- Real time intelligence
- Asset Management
- Process performance
- Transparent, Struxureware compliant
- STO SIL 3 embedded
- Modular system (like ATV600)

2

Ready for Process Automation

- Asynchronous motors , brand independent
- Synchronous motors: permanent magnet motors , Torque motors; Servo motors;
- Reluctance Variable IE4 motors
- Special motors: submersible , conical sliding rotor
- Open or closed loop
- Up to 599 Hz

3

Performance

- Speed and Torque control
- Robust behavior against load disturbance
- Drive to Drive connection
- Master/Slave and load sharing

Altivar 900 is the latest member of the Altivar Process family and is built for demanding applications in harsh environments.

You can download the ATV900 catalogue in box : [Altivar 900 catalogue](#), the crossreferences [Altivar 600/900 Xref](#) and the Sales Memo : [Altivar 900 Sales Memo](#)

schneider-electric.be

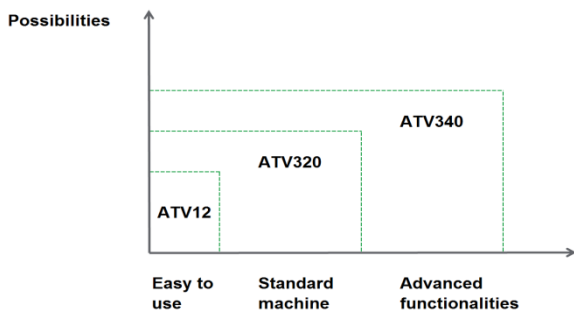
Schneider Electric nv/sa - Klantendienst: 32(0)2 37 37 502
customer-service.be@schneider-electric.com - www.schneider-electric.be



Life Is On

Schneider
Electric

New Altivar Machine 320 with integrated safety



Green Premium

The 5 main benefits

- 1 Safety functions**
 - Embedded safety functions
 - Innovative control system functions
 - STO/SLS/SMS/GDL/SS1
- 2 Flexible**
 - 2 different formats (Book and Compact)
 - Book design saves footprint in enclosure
 - Compact design for direct integration in machines
- 3 Advanced connectivity**
 - Operating in commonly used automation architectures.
 - Ethernet based : Modbus TCP, EtherNet/IP, ProfiNet, EtherCAT
 - Serial : Modbus RTU, CANopen (daisy chain), Profibus DP
- 4 Robust design**
 - Operating in harsh environment conditions:
 - * Up to 50°C without derating
 - * Up to 60°C with derating
 - All Printed Circuit Boards are coated according to IEC 60721-3-3 class 3C3 for industrial environments and 3S2 for solid parts.
- 5 Cost reduction**
 - Installation
 - Exploitation
 - Less additional devices needed

Altivar 320 is the latest member of the Altivar Machine family and is a variable speed drive for asynchronous and synchronous motors from 0,18 to 15kW.

You can download the ATV320 catalogue in box : [Altivar Machine 320 catalogue in English](#).

Listprices are available here: [Altivar Machine 320 listprices](#) , crossreferences here: [Altivar Machine 320 crossreferences](#)

schneider-electric.be

Schneider Electric nv/sa - Klantendienst: 32(0)2 37 37 502
customer-service.be@schneider-electric.com - www.schneider-electric.be



Life Is On

Schneider
Electric

Add a touch of style to your control panel



Flush mounting kit for XB4 & XB5 pushbuttons & pilotlights

If the design of your controlpanel or machine is important, you can now flush mount our Harmony XB5 & XB4 pushbuttons, selectorswitches, pilotlights, keyswitches. Instead of mounting the pushbutton in a 22mm hole, a 30mm hole is required. For only a very small additional cost, you can change the design of your machine in a beautiful and modern way.

	Metal	Plastic	Plastic with legend holder 8x27	Plastic with legend holder 18x27
				
For pushbuttons & pilotlights	ZB4BZ021	ZB5AZ021	ZB5AZ023	ZB5AZ025
For selectorswitches & illuminated pushbuttons	ZB4BZ022	ZB5AZ022	ZB5AZ024	ZB5AZ026



[schneider-electric.be](https://www.schneider-electric.be)

Schneider Electric nv/sa - Klantendienst: 32(0)2 37 37 502
customer-service.be@schneider-electric.com - www.schneider-electric.be



Life Is On

Schneider
Electric

XB5EV monolithique pilot light



XB5EV

Voltage

B = 24vac/dc
G = 110..120vac
M = 230vac

Colour

1 = White
3 = Green
4 = Red
5 = Orange
6 = Blue
8 = Yellow

XB5EV monolithique LED with high brightness & inbuilt suppressor

- Same characteristics as the XB4BV and XB5AV offer
- High level of **inbuilt suppression** against voltage peaks of 180 VA as standard. So no additional suppressorblock (ZBZVM) is needed.
- Very **high brightness** (even higher brightness than the modular XB4 & XB5 LED blocks)
- Same price of the modular XB5AV pilotlight (€15,32 for 230VAC version)

What's the importance of voltage protection and the inbuilt suppressor?

- Unprotected LEDs are more susceptible to voltage disturbances, and this is a key cause of reduced life
- Voltage peaks and back EMFs (Electromotive force) can be caused by the switching off of inductive loads (contactors, motors....) , the tripping of circuit breakers etc...
- EMC interference from variable speed drives or other such devices can again damage the LED circuit and dramatically reduce the life of the pilot light



Emergency stop labels




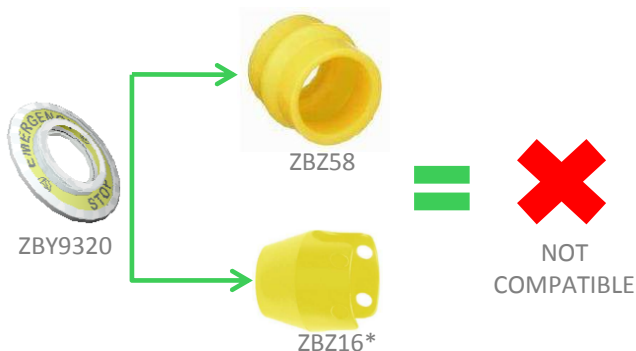
ZBY9140
ZBY9130
ZBY9330
ZBY9230
ZBY9430
ZBY9630



ZBY9121
ZBY9120
ZBY9320
ZBY9220
ZBY9420
ZBY9620

Some changes in the availability of emergency stop labels

The 2D emergency stop labels 60mm are no longer available and have been replaced by the new and more modern 3D labels. This communication does **not** affect the availability of the 90mm emergency stop labels (eg: ZBY8140) neither the 60mm and 90mm emergency switching off labels (eg: ZBY9101).

In case the use of a bellow seal for harsh environments (ZBZ58) or a guard (eg: ZBZ3605), we propose to use emergency switching off labels (so without the e-stop symbol ) or the 90mm emergency stop labels (with the e-stop symbol)



		
Ø60 mm for emergency stop	3D label	
Black marking/Yellow background		
ARRET D'URGENCE	ZBY9130	ZBY9120
EMERGENCY STOP	ZBY9330	ZBY9320
NOT-HALT	ZBY9230	ZBY9220
PARADA DE EMERGENCIA	ZBY9430	ZBY9420
ARRESTO DI EMERGENZA	ZBY9630	ZBY9620
Without marking/Yellow background		
	ZBY9140	ZBY9121

schneider-electric.be

Schneider Electric nv/sa - Klantendienst: 32(0)2 37 37 502
customer-service.be@schneider-electric.com - www.schneider-electric.be



Life Is On

Schneider
Electric

New control relays RM22 & RM35



Innovative & robust design

Doubled Surge Immunity

Level III → Level IV

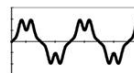
1kV/2k[DM/CM] → 2kV/4k[DM/CM]

Stand-out amongst its competitors, guarantees robustness in tough environments



True RMS Input Measurement

TRUE RMS detection eliminates any possibilities of nuisance trips from highly polluted networks (Only applicable to 3 phase, voltage & current range)



Diagnostic Button

that enables the relay output circuit to be checked easily during commissioning

Reduced reference

Dial Pointer

"Ezy-Set" LED accented dials, a first in Control Relays, improves visibility and enables users to set-up devices quickly



Featured !

The **One and Only** player in the market can offer these to customer

Together with the launch of RM22 we can announce the end of life of RM4 control relay range. A conversion table is available on the following [link](#)
A printed panorama (selection tool) is also available with the reference: DIA5ED1150703EN or can be [downloaded](#).

schneider-electric.be

Schneider Electric nv/sa - Klantendienst: 32(0)2 37 37 502
customer-service.be@schneider-electric.com - www.schneider-electric.be



Life Is On

Schneider
Electric