

Preferred Implementation Distributed AS-Interface Optimized

Simple, flexible, economical and reliable...



Typical applications

Materials handling and transport

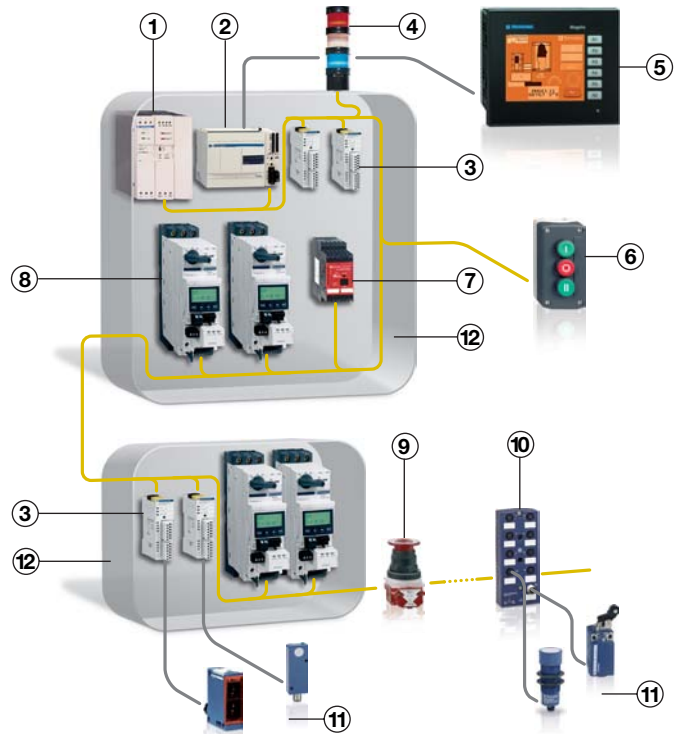
- Conveyors (baggage handling, production parts, food processing, etc.)
- Production line, materials handling
- Transfer and storage systems

Building and environment

- Lift
- Escalator
- Building access control systems (automatic doors, car park barriers, doorways, etc.)
- Energy management systems
- Lighting management system
- Fan control systems...

Other machines

- Packaging and packing machines
- Palletizers
- High speed lifts...

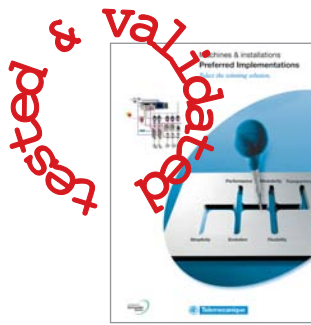


- | | |
|---|---|
| <ul style="list-style-type: none"> ① Switch mode power supply
Phaseo ABL 7... ② PLC and AS-Interface Master
Twido TWD... ③ IP 20 distributed I/Os
Advantys AS-Interface ASI 20M... ④ Indicator bank
Harmony XVB C... ⑤ Display unit
Magelis XBT N or GT... ⑥ HMI push-buttons
Harmony XALD... | <ul style="list-style-type: none"> ⑦ Safety monitor
ASISAFEMON... ⑧ Direct Motor Starter
TeSys model U ASI LUF... ⑨ E stop
ASISSLB... ⑩ IP 67 distributed I/Os
Advantys AS-interface ASI67F... ⑪ Limit switch, photoelectric and
proximity sensor
Osiswitch, Osiris, Osiprox ⑫ Enclosure...
ACM (IP 55) & ACP (IP 66) |
|---|---|

AS-Interface is a quick and upgradable cabling system, a single cable connects all the components in an automation system. It contributes significantly to improve the reliability, the availability and the machine safety by reducing cabling errors and offering high-level electromagnetic interference immunity (EMC).

The safety function of the machine is totally integrated with AS-Interface Safety at Work.





Advantages

Consistency of solution

The synergy of high quality products provides a solution guaranteed by a leader in automation.

Tested, validated and documented

A complete user guide gives all the details for installing and building your application in confidence.

Simplified installation without risk for HMI

A single cable for power supply and communication (Modbus link). Twido and XBTN use the same symbol table.



Quick and reliable connection

AS-Interface cabling system offer quick and easy connection with M12 connectors and/or Vampire connecting system.



Safety functions totally integrated

The safety function of the machine is totally integrated with AS-Interface Safety at Work.



Easy configuration

Thanks to the Telemecanique AS-Interface product catalog embedded in Twidosoft.



Characteristics

Performance

- Controller: Twido
- I/O:
 - Pup to 80
 - Pup to 2 AS-Interface master modules
- Motor control: direct motor starter TeSys U
- HMI: push-buttons and lights, text/graphic display
- Typical cycle time: 50 - 100 ms

Installation

- Machine type: stand alone
- Cabling: AS-Interface
- Software: libraries and function blocks to ease programming
- Configuration tool including design & product selection
- Large choice of IP20 & IP67 interfaces
- Easy to duplicate and to save your application by using EEPROM
- Cable for 24V VDC supply and information

Constraint

- Installed in a cabinet: to achieve higher IP level, ACM (IP 55), ACP (IP 66)
- Option: cable for corrosive environment

Cost

- Easy engineering
- Optimized cabling with AS-Interface, cost reduction (up to 20%)

Size

- Network length: up to 100 m without repeaters

A platform and a dedicated team at your service

Each preferred Implementation is based on a selected platform for optimal results and updated according to the evolution of our product offer. A team of specialists can perform customized tests to validate your configuration of the Preferred Implementation.

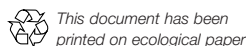


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