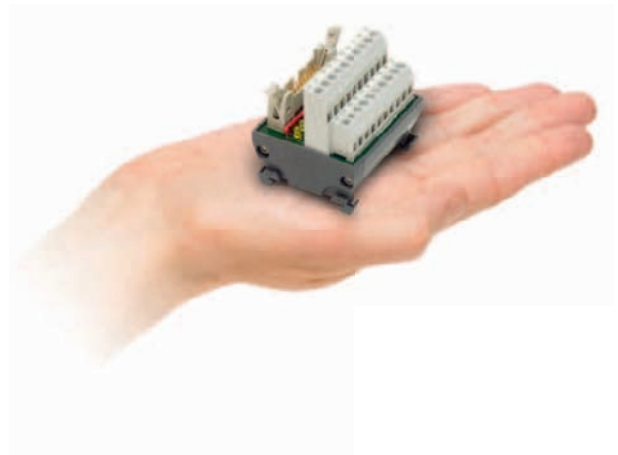# Interfast
Make your PLC wiring easy!

Connecting a PLC to the operative parts is hard work.
Transferring the different signals from your PLC to terminal blocks, using a single-wire connection system, requires a good deal of time and accuracy. Fortunately, we have the solution!

Forget about the countless wires and the risk of contact reversal. Try Interfast, ABB's pre-wiring system for PLCs.
And to better meet your requirements ABB goes even further.

If you need to gain more space in your cabinet, try our new ultra-compact interface modules.
With a 50 mm width and optimised dimensions, you gain up to 60% more space.

The benefits that make Interfast so competitive, user-friendly and flexible:

Optimise the space in your cabinet
Our compact and ultra-compact interface modules make components easy to handle inside the cabinet.

Reduce your costs
Wiring is quicker and therefore less expensive.
The number of cables, terminal blocks and other elements used in a classic wiring system is dramatically reduced.

Save time
The time you save on wiring can be used for more demanding tasks.

Save up to **98%** of your **time** during installation

Main features of our interface modules:

– 1 to 4-wire connection
– Input voltage up to 250 V
– Current up to 2 A
– Disconnect and protect channels
– Signal indicators
– Test points for current and voltage measurement
– IP20 protection
– PLC protection with fuse and I/O isolation (2.5 kV)
– Heavy-duty industrial connectors
– Relay for switching 16 A/250 V
– Pluggable relays and optocouplers
– Forcing and interrupting relay control
– Interface modules dedicated to solenoid valve control
– Various accessories to make your installation
  and maintenance easy
– More than 50 interface modules and 4 lengths of cables.

Interfast
Choose flexibility

Whatever PLC and I/O cards you use, ABB provides complete and pre-tested solutions adapted to your needs.

Interfast offers you a fast and error-free system.

The system is composed of three main parts:
– Front adaptors that simply plug into the I/O board
– Pre-wired and pre-tested cables available in different lengths and pluggable in a few seconds
– Passive and active interface modules that replace traditional terminal blocks.

Interfast is perfectly compatible with most PLCs on the market, including:
– ABB
– Ge-Fanuc
– Mitsubishi
– Omron
– Rockwell
– Schneider
– Siemens.

Classic wiring   Interfast

Flexible installation
Thanks to our complete plug-and-play system, maintaining and replacing your installation has never been so easy.

Reliable wiring
All our products are tested and wiring errors are no longer possible.

Everything in your cabinet can be easily identified
Installation is clear and cable strands are easy to locate.

Solutions for all your requirements
– Find exactly what you need from our wide range of interface modules
– From simple connecting modules to decoupling modules, many applications can be covered. And with our Modular System, you can design your own interface modules to suit your specific needs.

Interfast
ABB's know-how provides the solution for your wiring

The Interfast pre-wiring system is recognised as a smart and efficient solution for a wide range of applications in various markets.

With its set of products fully designed to make your PLC wiring easy, Interfast meets all your requirements: relay switching, optocoupler isolation, or circuit protection.

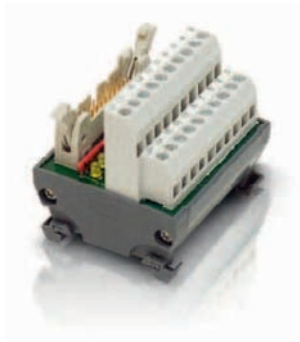**Interfast can be used in the following sectors:**

- Automotive
- Cement
- Chemicals and petrochemicals
- Electric power
- Metals
- Mining
- Oil & gas
- Pulp & paper
- Town planning infrastructures
- Water and wastewater.

ABB exclusivity

Interfast MS - Modular system based on terminal block technology

Interfast PCB - Standard or compact modules

Interfast series

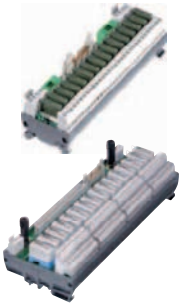## Connecting Interfast MS with omniconnect connector

Description	Without LED		With LED	
	Order code 16-channel	Order code 8-channel	Order code 16-channel	Order code 8-channel
Single wire	1SNA621017R1200	1SNA621016R1100		
Single wire redundancy	1SNA631005R2100	1SNA631004R2000	1SNA631007R2300	1SNA631006R2200
Single wire with fuse	1SNA631013R1000			
Two wire	1SNA631025R1400	1SNA631024R1300	1SNA631027R1600	1SNA631026R1500
Two, three or four wire	1SNA631055R2200	1SNA631054R2100	1SNA631061R2000	1SNA631060R0300
Interruptible single wire	1SNA631017R1400	1SNA631016R1300		
Interruptible two, three or four wire	1SNA631083R1700	1SNA631082R1600	1SNA631081R1500	1SNA631080R2000

Description	Order code 32-channel		Order code 32-channel	
Single wire	1SNA631001R2500		1SNA631003R2700	

Connecting Interfast PCB with HE10 connector

Description	Without LED		With LED	
	Order code 16-channel	Order code 8-channel	Order code 16-channel	Order code 8-channel
Single wire	1SNA020867R2000		1SNA020870R0700	
Two wire with fuse	1SNA020803R2100	1SNA020802R2000		
Two or three wire	1SNA020868R0100		1SNA020871R2400	
Three wire with fuse				1SNA020874R2700
Interruptible single wire	1SNA020869R0200		1SNA020872R2500	
Interruptible three wire with fuse			1SNA020873R2600	

Connecting Interfast PCB with omniconnect connector

Description	Without LED		With LED	
	Order code 16-channel	Order code 8-channel	Order code 16-channel	Order code 8-channel
Single wire	1SNA020859R0000		1SNA020863R2400	
Two or three wire	1SNA020860R0500		1SNA020864R2500	
Three wire with fuse	1SNA020861R2200	1SNA020857R2600	1SNA020865R2600	1SNA020858R0700
Interruptible single wire	1SNA020862R2300		1SNA020866R2700	

Decoupling Interfast MS with omniconnect connector

Description	Order code 16-channel	Order code 8-channel
N relay output interface 1SPDT without led	1SNA631124R1400	
N relay output interface 1SPDT	1SNA631125R1500	
N/P relay output interface 1SPDT	1SNA631181R1600	1SNA631182R1700
Universal interface without led	1SNA631151R2700	1SNA631158R0600
Universal interface with led on the power supply	1SNA631179R0300	1SNA631177R2100
Universal interface with led on the power supply and channels	1SNA631180R2100	1SNA631178R0200

Decoupling Interfast PCB with omniconnect or HE10 connector

Description	Order code 16 relays with HE10	Order code 16 relays with omniconnect and HE10	Order code 8 relays with omniconnect
N/P relay output interface 1NO	1SNA020954R2700		
N/P relay output interface 1NO for solenoid valve control		1SNA020836R1100	1SNA020830R2700
N/P relay output interface 1NO with fuse on common contact	1SNA020800R0200		
N/P relay output interface 1SPDT		1SNA020831R1400	1SNA020826R1700
N/P relay output interface 1SPDT compact	1SNA020953R2600		
N/P relay output interface 1SPDT with fuse on common contact		1SNA020833R1600	1SNA020828R2100
N/P relay output interface 1SPDT with interruptible terminal		1SNA020835R1000	1SNA020829R2200
N/P relay output interface 1SPDT with coil override		1SNA020834R1700	
N/P relay output interface 1DPDT		1SNA020832R1500	1SNA020827R1000
N/P relay input interface 1NO	1SNA020955R2000		
N/P relay input interface 1NO with fuse on common contact	1SNA020856R2500		