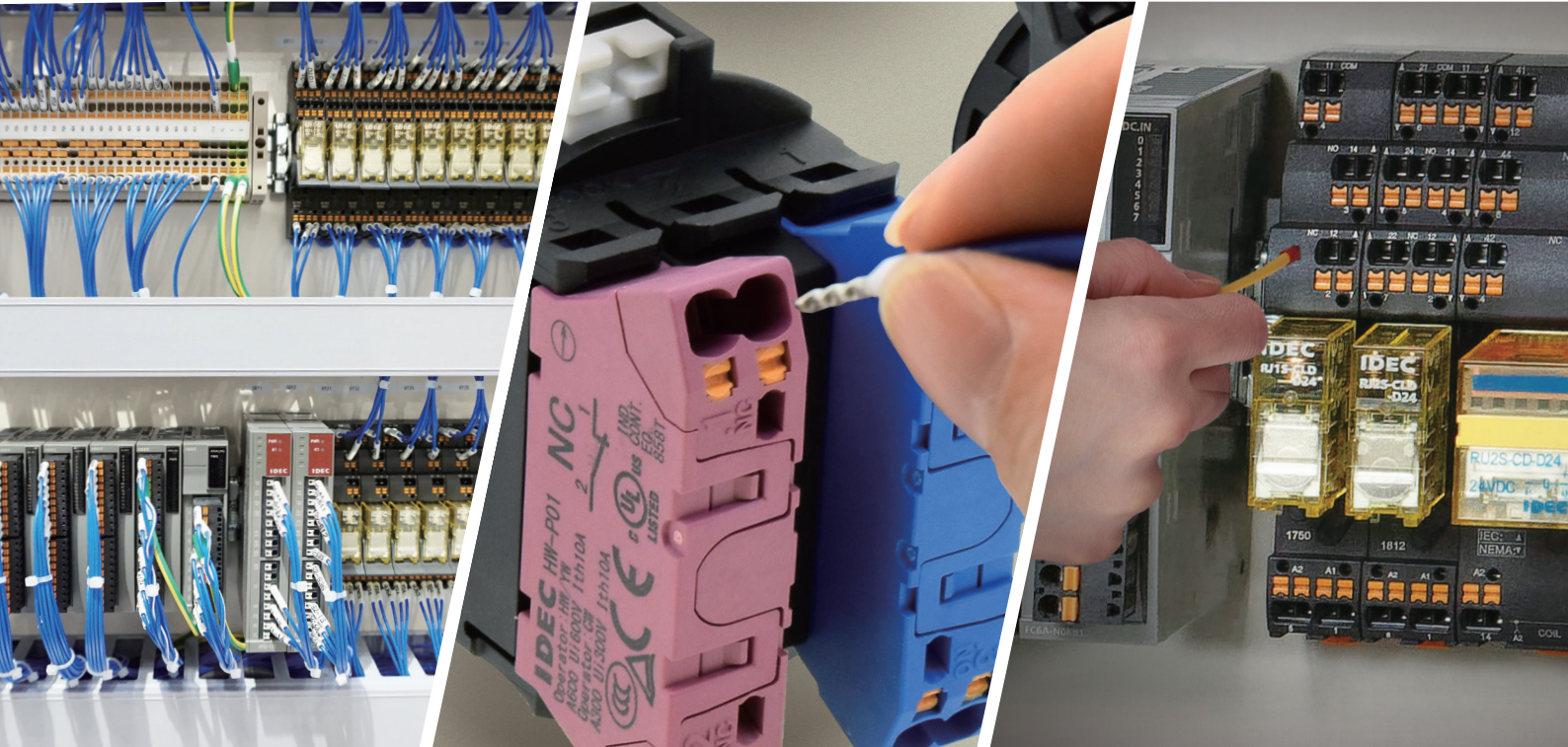




Product Lineup



PUSH-IN PRODUCTS

Safe. Simple. Smart.



All thoughts focused on the same goal

Since the late 1970s, IDEC has continued to instill and pursue “Save and Safe”, as part of our corporate DNA. Along with the rapid advancement in machine intelligence and demands for environmental resistance and high reliability in recent years, we need to face societal issues such as shortage in workforce.

To solve these issues, we have set as our goals “Safe, Simple & Smart= S^3 (S cube)”, aiming to provide society with products and services that will bring about greater innovation and lasting quality.

Safe

Products anyone can use with safety and assurance, from a company seeking to be number one in safety

Simple

Products appreciated by all our customers for their ease of connection regardless of experience

Smart

Products that make labor-saving and space-saving a reality

Push-in Product Lineup

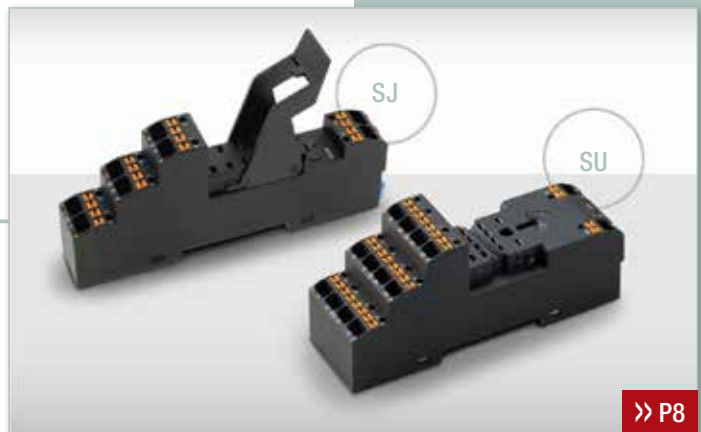
HW, CW, & YW Series

ø22 Switches & Pilot Lights



SU & SJ Series

Relay Sockets



FC6A MICROSmart

Programmable Logic Controllers



HR5S

Safety Relay Modules



Push-in

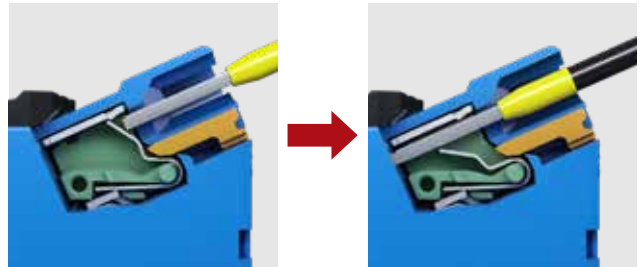
Simple wiring for greater work efficiency

Smart Simple

Ferrules and solid wires can be connected simply by push-in insertion, without a screwdriver. (*1)
To remove, a flat-blade screwdriver is inserted in a simple two-action process.
Since wiring can be performed regardless of operators' skill level, wiring time is reduced.

*1) When connecting stranded wire, insert the wire while holding down the pusher with a flat-blade screwdriver.

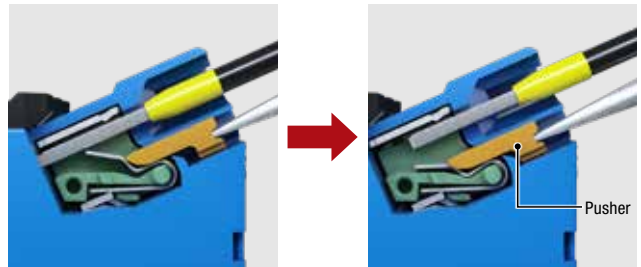
Connecting



Push the wire straight in as far as it will go.

Connection is completed. Pull lightly to make sure it is firmly in place.

Removing



Hold down the pusher with a flat-blade screwdriver.

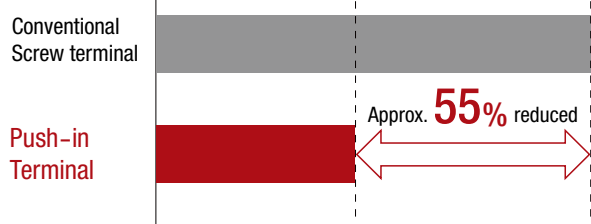
While holding down the pusher, pull out the wire. Release the flat-blade screwdriver.

Time saving and efficient

Smart

Push-in connections are made simple by inserting the wire, reducing wiring time by approximately 55% compared to conventional screw terminals.

[Conditions] Push-in: Insert wire with ferrule.
Screw terminals: With screw loosened, insert wire, then tighten with electric driver.



*) Based on IDEC research

Reliable and easy Safe

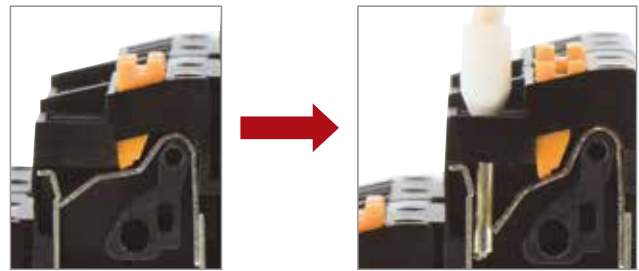
Finger-safe structure and vibration resistance. What's more, the space-saving design means better workability in a smaller space.

Stays firmly in place

Since the ferrule is held in place by a spring load, the wiring remains taut and vibration resistance is improved.

Finger-safe structure

IP20 Finger-safe protection enables wiring to be performed without direct contact between screwdriver and conductive part.



Before inserting wire

Wire inserted



Wiring procedure comparison Smart Simple

Work can be performed without using tools and regardless of operators' skill level.

*1) When ferrule is used.

Conventional Screw terminal

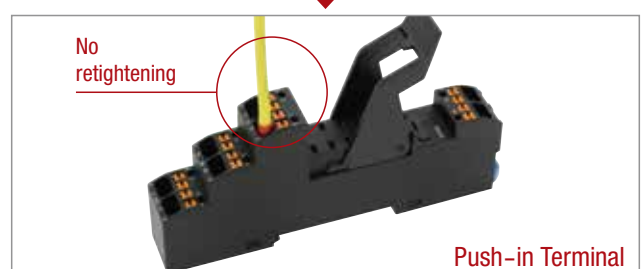
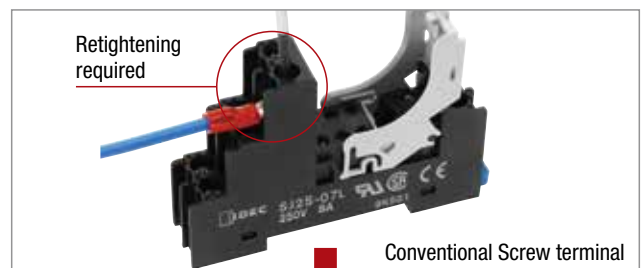


Push-in Terminal (*1)



No additional tightening needed Smart

Because screws are not used on push-in terminals, re-tightening of screws is not required.



ø22 Switches & Pilot Lights
HW, CW, & YW
 Series

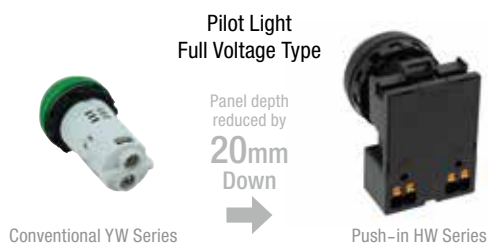
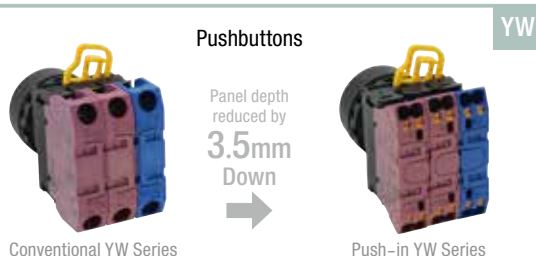
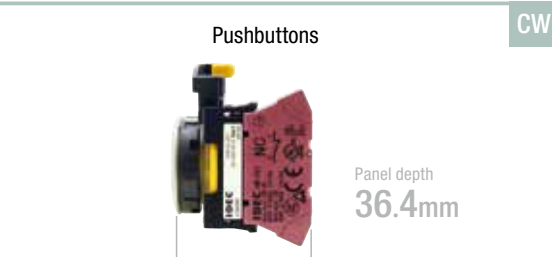
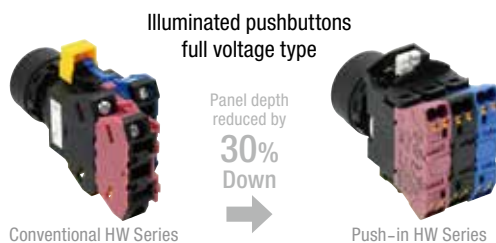
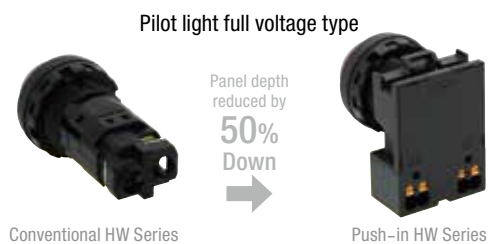
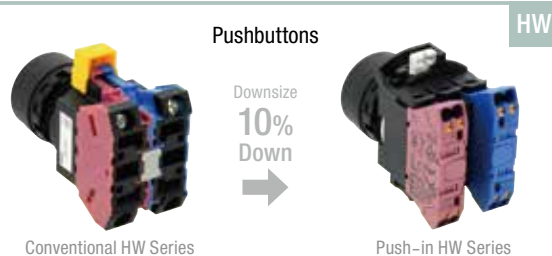


**HW, CW, & YW series
 push-in terminals.
 Reduces wiring and
 tightening work.**

Space-Saving

Contact block depth reduced HW CW YW

Saves space inside panel and enables downsizing of equipment.



Smart

Angled Connections

HW CW YW

Enables flexible wiring.



High-voltage pilot lights No transformer required

HW

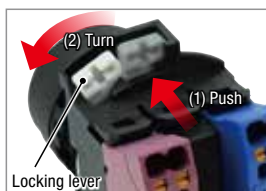
Applicable for a wide range of voltage (100/120V AC/DC, 200/240V AC). Mounts directly on control and power panels without transformers. Ideal for use in Europe and north America for applications requiring high voltage.



Locking lever

HW

Usability improved by easy mounting and removal. The mounting status of the contact blocks can be confirmed at a glance from the back of the switch.

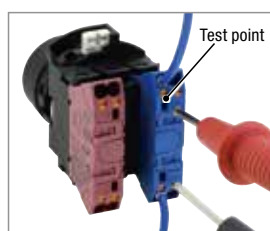


Added Value

Test point

HW CW YW

A test point is available to check connectivity of the wiring. Check the connectivity easily using a tester.



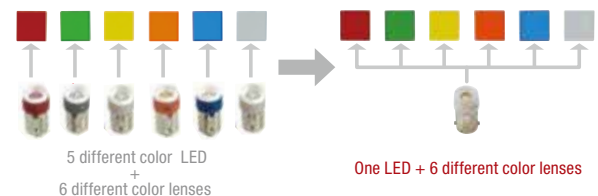
Useful

First in the industry

HW CW

Six different colors with a single LED

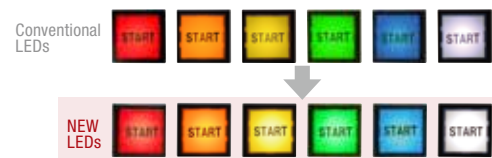
Previously, 5 different color LEDs were required but with the new illuminated unit, only a single LED is used. Only the lens needs to be replaced to change the illumination color. The new LED reduces maintenance time, makes stock control easier, and is environmentally friendly.



High visibility with new LED

HW CW

Brighter and clearer compared to conventional LEDs



ISO3864-4

HW CW

Safety color compliant

Safety colors are defined with ISO standards. The bright and clear colors are suited for emergency situations

*Except for products below

- Illuminated selector switches (illumination color: S (Blue), PW (Pure white))
- Illuminated pushbuttons (illumination color: S (Blue))

Sub-Assembled Units

HW CW YW

Sub-assembled units can be ordered for flexible use, such as sudden changes in design.



Relay Sockets SU & SJ Series



One step wiring,
easy & quick connection
Safe and efficient SJ and SU
series Push-in relay sockets

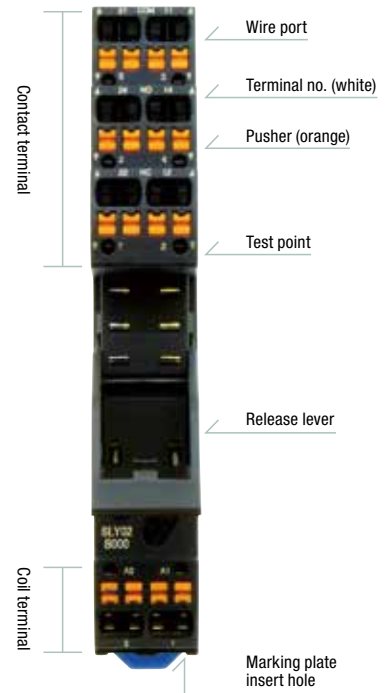
Highly reliable

High visibility

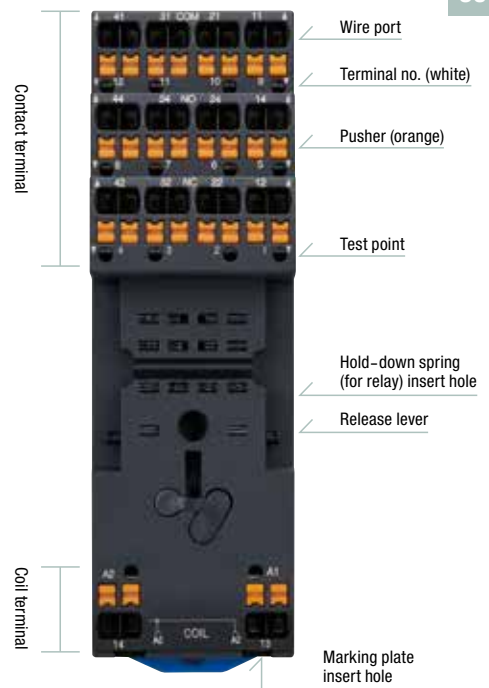
The terminal number on the socket can be clearly seen on the socket preventing incorrect wiring.

Also, the distinct color pusher prevents a flat blade screwdriver from being inserted into the wire port.

SJ



SU



Wide range of options

Terminal jumpers

SU SJ

Easy wiring to coil side.

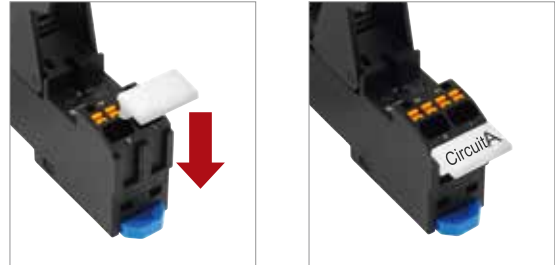


Note) The rated current is 2A.

Marking plate

SU SJ

A marking plate enables easy identification of connections. Maintenance time is reduced.



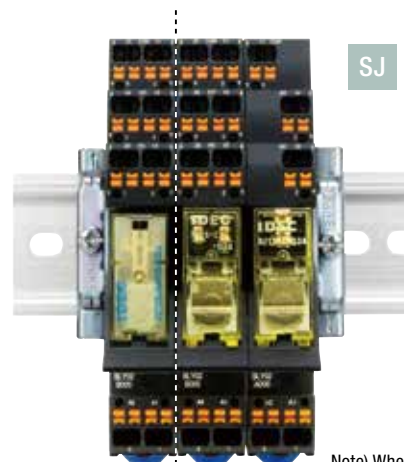
Safe & easy

Equipped with a release lever

The release lever easily holds and removes the relay.



IDEC RF2 force guided relays (SJ) and GT5Y timers (SU) can be mounted



RF2 Force Guided Relays

RJ series relays

Note) When using with RF2S force guided relay, use at 150V maximum.



GT5Y timer

RU relays

Programmable Logic Controllers

FC6A MICROSmart

FC6A PLC I/O module with functions to meet the needs of the IoT era such as remote monitoring and operation.

Time saving

Removable terminal block

Simplifies wiring, installation, and module replacement—just wire the terminal block plugged into a module.



Unmatched Performance

Wide environmental temperature

Enhanced operating temperature allows FC6A to operate from -25°C to 65°C



Safety Relay Modules

HR5S

Creating a safety system for machines with highly reliable one step wiring.

Category 2 Safety Relay Module

Product Selection

			
	Simple model	Standard model	Off-delay model
Part number	HR5S-C2S	HR5S-C2B	HR5S-C2D

Added Value

Web page creation

Drag and Drop Simplicity. Over 7,000 images available. No HTML programming required. No extra charge for creation software. (Built-in Wind LDR)

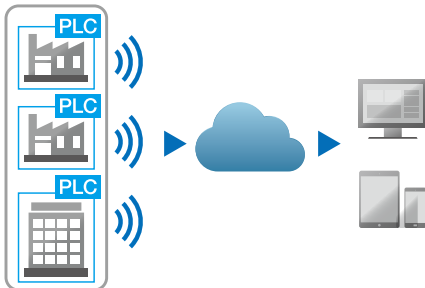


Industrial internet of things

MQTT

COMING SOON

MQTT protocols allows FC6A to directly connect to cloud platforms without MQTT gateway. Provides benefit for maintenance and analytics.



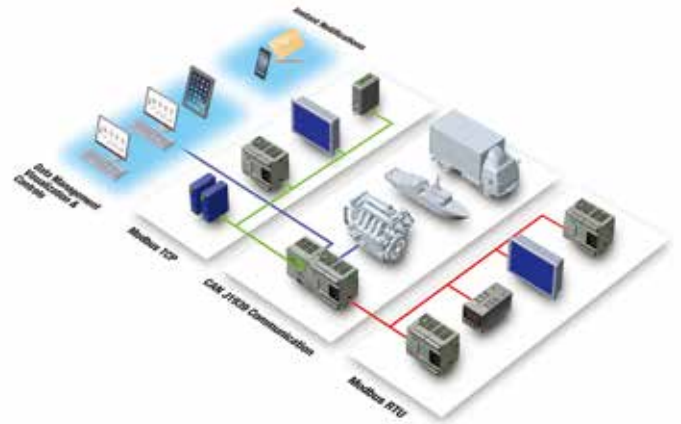
Multiple Communication Options

CAN J1939 Protocol

CAN J1939

COMING SOON

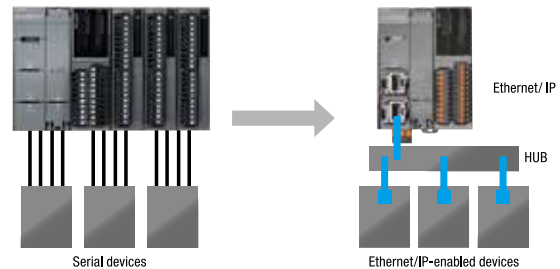
Commonly used in diesel power applications, in vehicle networks for trucks, buses, agriculture & forestry machinery, and marine navigation systems.



Ethernet IP

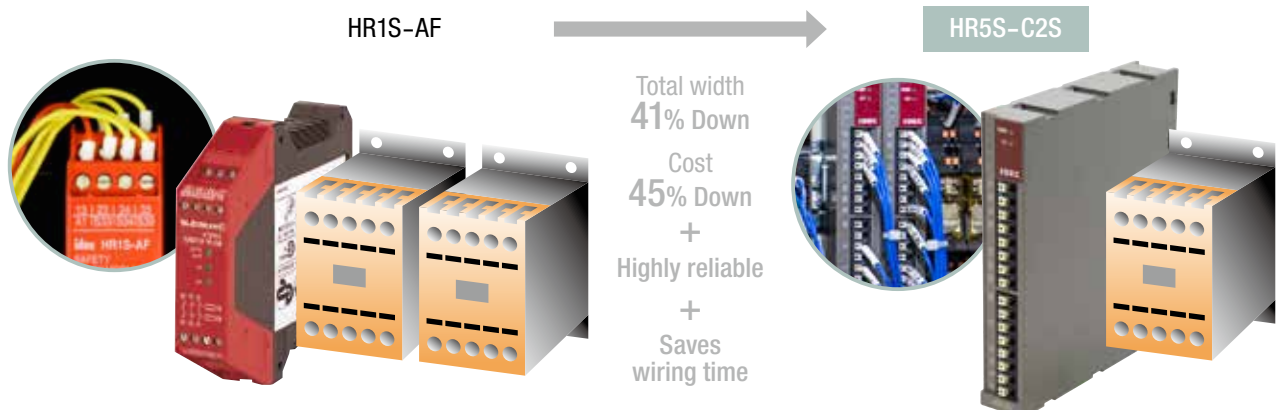
COMING SOON

Saves wiring time. Connects easily to Ethernet-enabled sensor devices via LAN cables.



Space & cost saving + Highly reliable + Time saving

Performance of Category 2 system





30 COMPANIES



75 YEARS OF EXPERIENCE



3,780 EMPLOYEES WORLDWIDE



100 000 + REFERENCES

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Contact our safety specialists at eu.support@idec.com

BENELUX

Belgicastraat 7/1
1930 ZAVENTEM
Belgium
BEL: (+32) 27 25 05 00
NL: (+31) (70) 799 91 51
be.sales@apem.com

FRANCE

55, avenue Edouard Herriot
BP1
82303 CAUSSADE Cedex
(+33) 5 63 93 14 98
fr.commercial@apem.com

GERMANY

Gewerbehof Giesing
Paulsdorferstr. 34, 2. OG
D-81549 MUNICH
MUNICH: (+49) 89 45 99 11 0
HAMBURG: (+49) 40 253054 0
info@apem.de

ITALY

Via Marconi 147G
12030 MARENE (CN)
(+39) 0172 74 3170
apem.italia@apem.it

SWEDEN


Torshamnsgatan 39
S-16440 KISTA
(+46) 8 626 38 00
info@apem.se


UNITED KINGDOM

Drakes Drive
LONG CRENDON,
Bucks HP18 9BA
England
(+44) 1 844 202400
sales@apem.co.uk

idec-emea.com

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