

# Perfectly formed and sporting a new feature

One year after its market launch, the Han-Yellock® connector and its convincing design and functionality are scoring points with a new feature: Thanks to Han-Quick Lock® termination technology, the connector is faster and simpler to use.

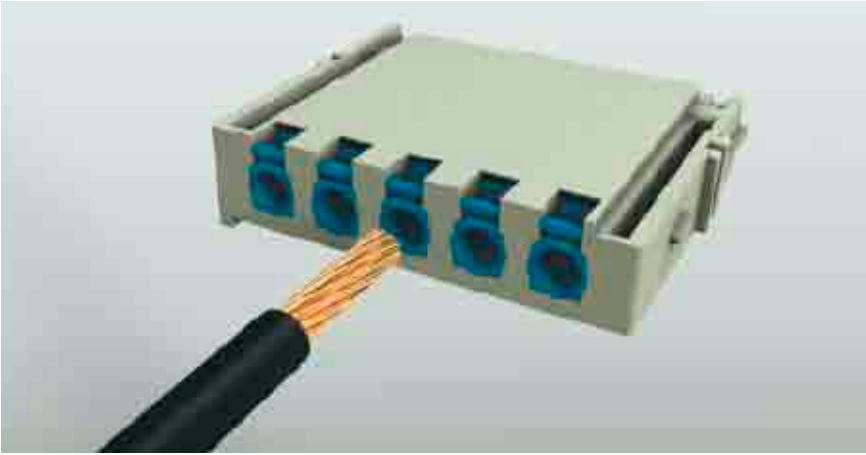
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The Han-Yellock® connector from HARTING is a genuine innovation: A connector concept with a completely new approach and design, has caused a sensation on the market. Han-Yellock® is successful on a number of fronts. The first pilot projects show that the new product from the HARTING Technology Group fully lives up to the expectations.

## FUNCTIONALITY AND FLEXIBILITY

The Han-Yellock® impresses with many functions and high performance levels. The contact bridging function makes it possible to move switch cabinet functions into the connector and consequently simplifies the entire configuration and reduces the system's complexity, particularly in terms of control technology, while also securing advantages during installation. In addition, there is an easy to operate lock. Simpler, faster and error-proof – these are strong arguments in favor of the Han-Yellock®.

Han-Yellock® also shows what development can achieve in terms of flexibility: The



housing is divided on the cable side, which means that terminals can be inspected and rewiring can be performed in a manner that is simple and easy on the wires. The inner connector parts can be snapped into place from the mating side and/or the termination side which facilitates installation work and retooling.

#### GREATER CONVENIENCE THANKS TO QUICK LOCK TERMINATION TECHNOLOGY

HARTING has added another convincing feature to this product series: Contacts inside the Han-Yellock® were previously connected by crimping. Although this termination technology has proven itself, broad international use is difficult due to the need for special tools and individual contacts for different cable cross-sections. Consequently, HARTING has additionally equipped Han-Yellock® with the Han-Quick Lock® termination technology.

#### USE IN THE FIELD

Han-Quick Lock® has been developed for tool-free processing in the field. It is based on a radial spring clamp terminal and combines the advantages of a tension spring with those of crimping. Han-Quick Lock® is suitable for flexible stranded conductors. The individual wires are separated by a central cone and then pressed against the cone with a radially arranged spring. The spring is positioned in a plastic element, the so-called actuator. This is pressed down

“The Han-Yellock® impresses with numerous functionalities and top performance.”

with a simple screwdriver. The spring then moves over the individual wires and the cone. The result is simple and vibration-proof termination technology with crimp technology contact spacing.

The Han-Yellock® Quick Lock module enables the assembly of a complete Han-Yellock® connector without any special tools. Cables can be connected quickly, dispensing entirely with special tools and expensive equipment. Consequently, Quick Lock becomes the preferred technique for interfaces that require fast, uncomplicated replacement.

#### OVERVIEW AND SPEED

Examples from a wide range of market segments are easy to find. Example 1: System cabling: a multitude of individual cable lengths are required to wire a system. This variety cannot be completely covered with pre-assembled system cables. The combined use of crimp and Quick Lock terminals allows standard lengths to be shortened and laid out in a manner that optimizes the lengths. Unnecessary cable loops are eliminated and the wiring is more clearly arranged.

Example 2: Production facilities: Consequential costs are especially critical in large, complex production facilities in view of downtimes. If maintenance

personnel can deal with Han-Quick Lock® modules, repair work can be carried out much more swiftly, and without the need for special tools.

The main application areas for the Han-Yellock® with Quick Lock technology are in machine construction and automation, or all areas that call for signals and power to be transmitted in a compact configuration. Local installation components such as I/O modules and distribution boxes can be retrofitted just as quickly as energy bus structures. Maintenance work and

repairs require no special tools, which is enormously significant for complex production systems such as those in automotive plant applications, which suffer high losses due to downtimes.

#### HARTING PLUS

HARTING covers the entire range of highly specialized interface termination technology, while ensuring compatibility at the same time. Consequently, HARTING has initiated and established its own termination technologies such as the Axial screw inserts and Han-Quick Lock® in addition to conventional crimp connections. Fast handling, flexibility and reliability are the key standards guaranteed across the entire range of solutions. ■

#### BENEFITS

- Swift and simple termination technology: Han-Quick Lock®
- Field-installable without special tools
- Plug-compatible with modules in crimp technology
- Combines the potential multiplication of the Yellock modules with the simple handling of a radial cage-clamp terminal