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HARTING Pushing Performance Since 1945	**HARTING Product Information**	**PI**

Business Unit: HCS; Electronics **PI/24/038/C+N**

Product range: HCS; Network Interface Connectors / ix industrial; Industrial Ethernet Kabel und Kabelkonfektionen **Date:** 2024-06-27

Author: Matthias Speer, Maximilian Rohrer

Title: **HARTING ix Industrial PushPull IP20 - PI**



Dear Ladies and Gentlemen,

We and Captain ix are pleased to inform you about the brand new ***HARTING ix Industrial® IP20 PushPull.***

Available in ***Type A*** *for ethernet applications as well as* ***Type B*** *for signals and serial bus systems,* the new connector sets a **new benchmark for packing density** of ix Industrial® interfaces. Never before it was possible to realize so many interfaces so close together. The PushPull mechanism underlines the easy and fast handling.

In addition to the well-known advantages of ix Industrial® product line, this solution is 100% designed by HARTING and produced in EU. ***HARTING ix Industrial® IP20 PushPull*** scores with the following ***advantages***:

- PushPull locking for ***easy handling***
- With added unlocking latch ***especially suitable for high density applications***
- ***Overmolded*** and ***non-overmoldet*** versions available
- ***Bend protection for higher robustness***
- ***Safe IDC Termination*** of the wires
- ***High quality*** Palladium Nickel plating for even higher robustness

With the portfolio expansion of ***HARTING ix Industrial® IP20 PushPull*** our customers have a even better solution selection for their individual applications:



- ix Industrial® IP20 ”Standard”
- ix Industrial® IP20 angled versions
- ix Industrial® IP20 PushPull
  + overmolded cable assemblies
- Mini PushPull IP65 ix Industrial®
  + overmolded cable assemblies
- ix Industrial® Jacks
  - Angled Vertical
  - Angled Horizontal
  - Vertical
  - In-line Jack

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Following part numbers are available:

Connectors:

Part number	Description	MOQ	Avail-able	eShop
09 45 182 2561	ix Industrial 10A-PP-3 plug SL-I26	5 pcs.	Now	LINK
09 45 182 2563	ix Industrial 8A-PP-3 plug SL-I22	5 pcs.	Now	LINK
09 45 182 9001	ix Industrial 10B-PP-3 plug SL-I26	5 pcs.	Now	LINK
09 45 182 9003	ix Industrial 8B-PP-3 plug SL-I22	5 pcs.	Now	LINK
09 45 800 1181	ix Industrial unlocking latch	5 pcs.	Now	LINK

Overmolded cable assemblies:

Part number	Description	MOQ	Avail-able
33483131804XXX	ix Type A OM Cat.6A PUR 0.3m	10 pcs	Now
33483131805XXX	ix Type A OM Cat.6A PVC 0.3m	10 pcs	Now
33483131819XXX	ix Type A OM Cat.6A Rail 0.3m	10 pcs	Now
33483131409XXX	ix Type A OM Profinet B PVC	10 pcs	Now
33483131412XXX	ix Type A OM Profinet C PUR	10 pcs	Now
33483147804XXX	ix Type A OM - DB RJ45 Cat.6A PUR 0.3m	10 pcs	Now
33483147805XXX	ix Type A OM - DB RJ45 Cat.6A PVC 0.3m	10 pcs	Now
33483147819XXX	ix Type A OM - DB RJ45 Cat.6A Rail 0.3m	10 pcs	Now
33483147409XXX	ix Type A OM - DB RJ45 Profinet B PVC	10 pcs	Now
33483147412XXX	ix Type A OM - DB RJ45 Profinet C PUR	10 pcs	Now
33483232A21XXX	ix Type B OM 10xAWG26 PUR 0.3m	10 pcs	Now
33483232A32 XXX	ix Type B OM 5x2xAWG26 PVC 0.3m	10 pcs	Now

XXX: Length in dm, e.g. 005 for 0.5m

Good news! For the new version above mentioned we have the possibility to give you **reduced TP´s**. Compared to the current IDC Version a reduction of up to…

- 15%

…was realized.

Assembly tools:

Part number	Description	MOQ	Avail-able	eShop
09 45 800 0185	ix Industrial handtool frame	1 pcs.	Now	LINK
09 45 800 0186	ix Industrial handtool insert 1	1 pcs.	Now	LINK
09 45 800 0180	ix Industrial assembly positioner	5 pcs.	Now	LINK

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For more information material of ***HARTING ix Industrial® IP20 PushPull*** check the provided customer presentation and our eShop.

Important Information
We are working on further ix Industrial® solutions.
One of them: ix Industrial® Type C in IP20 and IP65/67 PushPull versions.
Due to further development, the **unlocking ring will be adapted in the coming months**. As illustrated in the pictures below small pockets will be added in the unlocking ring. These pockets are added for the shielding nose of Type C.
The change will be only an optical change.
No change of overall geometry. No change of diemensions.
We will realize a flowing transition. Therefore mixed deliveries may occur
Please inform our customers accordingly.

Today: **Future:**



Let us save **designers** sleepless nights. Let **manufacturers** dream about it and save **technicians** grey hair with the HARTING ix Industrial®.

Together we´ll achieve a new level of performance!

As well as the standard plug of the ix Industrial® the HARTING ix Industrial® IP20 PushPull scores with advantages like:

- Standardized interface, no “island“ solution, millions of possible applications
- 70% less size compared to RJ45
- Robust connection between printed circuit board and socket
- High EMC immunity – Cat.6_A performance
- Resistant to shock and vibration, designed for 5000 mating cycles
- Delivery of a full solution with HARTING ix Industrial® cable assemblies, HARTING ix Industrial® jacks, HARTING ix Industrial plugs® and test equiptment from FLUKE.

If you have design-ins or other interesting applications regarding these products, please share this information with us!

Please do not hesitate to contact us if you have any questions.

Best regards,

Matthias Speer
Head of Global Product Management
E-Mail: Matthias.Speer@HARTING.com
Phone: +495772477122
http://www.HARTING.com

Maximilian Rohrer
Product Manager
E-Mail: Maximilian.Rohrer@HARTING.com
Phone: +49 (5772)47-7305
http://www.HARTING.com