

Business Unit: Electronics; HCS **PTN/22/013/C+N**
Product range: Interface connectors; HCS / T1 Industrial **Date:** 2022-06-03
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Title: **PTN – T1 Industrial IP20 1st Edition**

Details of product termination

1. Concerned part number (see also attachment):		
<u>Parts phased-out (IEC 63171-6 → edition 1 versions)</u>		
Cable Connector		
P/N	Description	Packaging
0945 181 2800XL	T1 Industrial plug SL-C IP20	Set (100 pcs.) without conta
PCB Jacks		
P/N	Description	Packaging
0945 281 2800	T1 Industrial Jack AH IP20	Tape & Reel (275 pcs.)
0945 281 2800 333	T1 Industrial Jack AH IP20	Sample (1 pc.)
Cable assemblies		
AWG26/7		
P/N	Description	Packaging
33280101001002	T1 SPE IP20 1x2xAWG26/7 PUR 0,2m	1 pc.
33280101001003	T1 SPE IP20 1x2xAWG26/7 PUR 0,3m	1 pc.
33280101001005	T1 SPE IP20 1x2xAWG26/7 PUR 0,5m	1 pc.
33280101001010	T1 SPE IP20 1x2xAWG26/7 PUR 1,0m	1 pc.
33280101001020	T1 SPE IP20 1x2xAWG26/7 PUR 2,0m	1 pc.
33280101001021	T1 SPE IP20 1x2xAWG26/7 PUR 2,1m	1 pc.
33280101001022	T1 SPE IP20 1x2xAWG26/7 PUR 2,2m	1 pc.
33280101001030	T1 SPE IP20 1x2xAWG26/7 PUR 3,0m	1 pc.
33280101001050	T1 SPE IP20 1x2xAWG26/7 PUR 5,0m	1 pc.
33280101001075	T1 SPE IP20 1x2xAWG26/7 PUR 7,5m	1 pc.
33280101001100	T1 SPE IP20 1x2xAWG26/7 PUR 10m	1 pc.
33280101001150	T1 SPE IP20 1x2xAWG26/7 PUR 15m	1 pc.
33280101001200	T1 SPE IP20 1x2xAWG26/7 PUR 20m	1 pc.
33280101001400	T1 SPE IP20 1x2xAWG26/7 PUR 40m	1 pc.
AWG22/7		
P/N	Description	Packaging
33280101002002	T1 SPE IP20 1x2xAWG22/7 PUR 0,2m	1 pc.
33280101002003	T1 SPE IP20 1x2xAWG22/7 PUR 0,3m	1 pc.
33280101002005	T1 SPE IP20 1x2xAWG22/7 PUR 0,5m	1 pc.
33280101002010	T1 SPE IP20 1x2xAWG22/7 PUR 1,0m	1 pc.
33280101002020	T1 SPE IP20 1x2xAWG22/7 PUR 2,0m	1 pc.
33280101002030	T1 SPE IP20 1x2xAWG22/7 PUR 3,0m	1 pc.
33280101002050	T1 SPE IP20 1x2xAWG22/7 PUR 5,0m	1 pc.



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33280101002075	T1 SPE IP20 1x2xAWG22/7 PUR 7,5m	1 pc.	
33280101002100	T1 SPE IP20 1x2xAWG22/7 PUR 10m	1 pc.	
33280101002150	T1 SPE IP20 1x2xAWG22/7 PUR 15m	1 pc.	
33280101002200	T1 SPE IP20 1x2xAWG22/7 PUR 20m	1 pc.	
33280101002400	T1 SPE IP20 1x2xAWG22/7 PUR 40m	1 pc.	

Asseccories, Contacts and tools

P/N	Description	Packaging
0945 500 2800	T1 male crimp AWG 26-28 (500pcs/reel)	500pcs/reel
0945 500 2802	T1 male crimp AWG 22-24 (500pcs/reel)	500pcs/reel
0945 800 2800	T1 Industrial crim tool (AWG 28-26)	1 pc.
0945 800 2801	T1 Industrial crim tool (AWG 24-22)	1 pc.

2. Reason for termination:

The IEC has published a 2nd edition of standard 63171-6 for Single Pair Ethernet Connectivity. Thanks to small optimizations, voltage proof requirements of 2.25kV DC (pin to shield) are now guaranteed by geometrical clearance and creepage distances.

Thanks to further optimizations the new HARTING connectors even support data rates up to 10 Gbit/s (formerly 1 Gbit/s).

In order to further comply with the IEC standard, HARTING has modified the existing IP20 PCB jacks, cable plugs and overmolded cable assemblies accordingly. Outer appearance, dimensions and PCB layout remain unchanged.

Important information

There is no mating compatibility between edition 1 and edition 2 connectors.

To avoid missmating, HARTING has created new part numbers for edition 2 connectors and introduced them to the market recently (see "possible replacements" below).

There is a 1:1 replacement for each part number!

Please find the detailed list of new part numbers below!



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3. Possible replacement products

New parts to replace the above listed articles (edition 2 version)

Cable Connector

P/N	Description	Packaging
0945 181 2810XL	T1 Industrial plug SL-C IP20	Set (100 pcs.) without contacts

PCB Jacks

P/N	Description	Packaging
0945 281 2810	T1 Industrial Jack AH IP20	Tape & Reel (400 pcs.)
0945 281 2810 333	T1 Industrial Jack AH IP20	Sample (1 pc.)

Cable assemblies

AWG26/7

P/N	Description	Packaging
33280202001002	T1 SPE IP20 1x2xAWG26/7 PUR 0,2m	1 pc.
33280202001003	T1 SPE IP20 1x2xAWG26/7 PUR 0,3m	1 pc.
33280202001005	T1 SPE IP20 1x2xAWG26/7 PUR 0,5m	1 pc.
33280202001010	T1 SPE IP20 1x2xAWG26/7 PUR 1,0m	1 pc.
33280202001020	T1 SPE IP20 1x2xAWG26/7 PUR 2,0m	1 pc.
33280202001030	T1 SPE IP20 1x2xAWG26/7 PUR 3,0m	1 pc.
33280202001050	T1 SPE IP20 1x2xAWG26/7 PUR 5,0m	1 pc.
33280202001075	T1 SPE IP20 1x2xAWG26/7 PUR 7,5m	1 pc.
33280202001100	T1 SPE IP20 1x2xAWG26/7 PUR 10m	1 pc.
33280202001150	T1 SPE IP20 1x2xAWG26/7 PUR 15m	1 pc.
33280202001200	T1 SPE IP20 1x2xAWG26/7 PUR 20m	1 pc.
33280202001400	T1 SPE IP20 1x2xAWG26/7 PUR 40m	1 pc.

AWG22/7

P/N	Description	Packaging
33280202002002	T1 SPE IP20 1x2xAWG22/7 PUR 0,2m	1 pc.
33280202002003	T1 SPE IP20 1x2xAWG22/7 PUR 0,3m	1 pc.
33280202002005	T1 SPE IP20 1x2xAWG22/7 PUR 0,5m	1 pc.
33280202002010	T1 SPE IP20 1x2xAWG22/7 PUR 1,0m	1 pc.
33280202002020	T1 SPE IP20 1x2xAWG22/7 PUR 2,0m	1 pc.
33280202002030	T1 SPE IP20 1x2xAWG22/7 PUR 3,0m	1 pc.
33280202002050	T1 SPE IP20 1x2xAWG22/7 PUR 5,0m	1 pc.
33280202002075	T1 SPE IP20 1x2xAWG22/7 PUR 7,5m	1 pc.
33280202002100	T1 SPE IP20 1x2xAWG22/7 PUR 10m	1 pc.
33280202002150	T1 SPE IP20 1x2xAWG22/7 PUR 15m	1 pc.
33280202002200	T1 SPE IP20 1x2xAWG22/7 PUR 20m	1 pc.
33280202002400	T1 SPE IP20 1x2xAWG22/7 PUR 40m	1 pc.

Asseccories, Contacts and tools

P/N	Description	Packaging
0945 500 2810	T1 male crimp AWG 26-28 (500pcs/reel)	500 pcs/reel
0945 500 2812	T1 male crimp AWG 22-24 (500pcs/reel)	500 pcs/reel
0945 800 2810	T1 Industrial crim tool (AWG 28-26)	1 pc.
0945 800 2811	T1 Industrial crim tool (AWG 24-22)	1 pc.

4. Scheduled date of:

To avoid the risk of mismating, the old version will be phased-out with immediate effect and replaced by the new versions.

If there is any need for last orders of edition 1 parts, please contact your local HARTING sales organization!