

Product change notification (PCN)

Title / short description	Change to terminal layout and the packaging
Affected article category	PCB terminal blocks and PCB connectors
Change category	Packaging, Function, Form and appearance
Change number	CAA200001-01
Reason for PCN/PDN Revision	Extra ribs on the bottom of the horizontal versions / change to schedule

Purpose/objective of the change

Change to terminal layout and the packaging

Detailed description of the change

Due to the expansion of production capacities, the terminal block design of the SPT 1,5 and SPT 2,5 series will be modified and the packaging size and packing unit will be changed. The attached list CAA200001 - Details packaging.xlsx contains details of the packaging change as well as two sample drawings of the SPT 2,5 series comparing the old and new terminal block design.

Furthermore, as part of the ongoing improvement process, the solder pins will be completely tin-plated. The external dimensions of the terminal blocks, the PCB layout, the technical performance data, and the terminal block approvals remain unchanged.

The items will gradually switch to the new design between middle of March 2022 and December 2023. During this transition period, both the old and the new item versions will be supplied. The new item version will be indicated by an increase to the production batch on the label.

Design Update Revision 01: For further optimization and to provide greater stability in the overall system, two ribs are being added to the bottom of the horizontal terminal blocks. The ribs are flush with the existing elevations and do not impact the overall height of the items. Images illustrating this optimization are provided in the Design Update document. The example drawings have also been updated.

Identifying characteristics

Production batch V/C on the packaging label

Start of Production (SOP)	-	Last Time Delivery (LTD)	-
Effective date (EOP)	2022-03-14	End of Service (EOSR)	-
End of Sales (EOS)	-		

Short-term change (< 6 months) or discontinuation (< 12 months), due to:

- | | | |
|---|---|--|
| <input type="checkbox"/> Software / Firmware Bugfix | <input type="checkbox"/> Short-term delivery stop by supplier | <input type="checkbox"/> Short-term recall by supplier |
| <input type="checkbox"/> Force majeure | <input type="checkbox"/> Product improvement with customer benefits | |
| <input checked="" type="checkbox"/> Others | | |

Implementation of Update Revision 01 at short notice to safeguard supply capability

Attachments

- SPT 25_...-50-H - customer drawing (current-new design) V2.pdf
- SPT 25_...-50-V - customer drawing (current-new design) V2.pdf

- CAA200001 - Details packaging.xlsx
- Design Update.pdf
- Material_list.csv
- PCN-CAA200001-01 Änderung des Klemmenaufbaus und der Verpackung_DE
- PCN-CAA200001-01 Change to terminal layout and the packaging_EN

Material list

Item	Item Type	Hardware / Firmware		Item	Substitute item Type
		old	new		
1706667	SPT 1,5/ 1-H-3,5 BK	0	1		
1074787	SPT 1,5/12-H-3,5 1RZ5,0MCOG-BK	0	1		
1710620	SPT 1,5/ 2-H-3,5 MIXC BK/RD	0	1		
1053802	SPT 1,5/16-H-3,5 2RZ5,0MCOG-BK	0	1		
1716477	SPT 1,5/ 2-H-3,5 BK	0	1		
1832810	SPT 1,5/ 1-H-3,5 BN	1	2		
1706699	SPT 1,5/ 1-H-3,5 BU	0	1		
1069559	SPT 1,5/ 2-H-3,5 BU	0	1		
1706621	SPT 1,5/ 1-H-3,5	0	1		
1831439	SPT 1,5/ 2-H-3,5 OM	0	1		
1990737	SPT 1,5/ 2-H-3,5	0	1		
1715962	SPT 1,5-2,5/ 9-H-3,5-5,0 SO	0	1		
1831442	SPT 1,5/ 3-H-3,5 OM	0	1		
1990740	SPT 1,5/ 3-H-3,5	0	1		
1831455	SPT 1,5/ 4-H-3,5 OM	0	1		
1990753	SPT 1,5/ 4-H-3,5	0	1		
1831468	SPT 1,5/ 5-H-3,5 OM	0	1		
1990766	SPT 1,5/ 5-H-3,5	0	1		
1990779	SPT 1,5/ 6-H-3,5	0	1		
1831471	SPT 1,5/ 6-H-3,5 OM	0	1		
1990782	SPT 1,5/ 7-H-3,5	0	1		
1831484	SPT 1,5/ 7-H-3,5 OM	0	1		
1831497	SPT 1,5/ 8-H-3,5 OM	0	1		
1990795	SPT 1,5/ 8-H-3,5	0	1		
1990805	SPT 1,5/ 9-H-3,5	0	1		
1831507	SPT 1,5/ 9-H-3,5 OM	0	1		
1990818	SPT 1,5/10-H-3,5	0	1		
1831510	SPT 1,5/10-H-3,5 OM	0	1		
1990821	SPT 1,5/11-H-3,5	0	1		
1990834	SPT 1,5/12-H-3,5	0	1		
1706669	SPT 1,5/ 1-H-3,5 GY	0	1		
1706670	SPT 1,5/ 1-H-3,5 GY SWO	0	1		
1228507	SPT 1,5/ 5-H-3,5 GY	0	1		
1705176	SPT 1,5/ 6-H-3,5 GY	0	1		
1705062	SPT 1,5/14-H-3,5 GY	0	1		
1706720	SPT 1,5/ 1-H-3,5 GY7035	0	1		
1069571	SPT 1,5/ 2-H-3,5 GY7035	0	1		
1713935	SPT 1,5/ 2-H-3,5 GYBN	0	1		

Item	Item Type	Hardware / Firmware		Item	Substitute item Type
		old	new		
1706705	SPT 1,5/ 1-H-3,5 OG SWO	0	1		
1074779	SPT 1,5/ 5-H-3,5 OG	0	1		
1706706	SPT 1,5/ 1-H-3,5 RD	0	1		
1706708	SPT 1,5/ 1-H-3,5 RD SWO	0	1		
1706711	SPT 1,5/ 1-H-3,5 WH	0	1		
1706712	SPT 1,5/ 1-H-3,5 WH SWO	0	1		
1707987	SPT 1,5/ 4-H-3,5 WH	0	1		
1845988	SPT 1,5/ 6-V-3,5 MC	0	1		
1709918	SPT 1,5/ 2-V-3,5 MC RD/BK	0	1		
1706741	SPT 1,5/ 1-V-3,5 BK SWO	0	1		
1258952	SPT 1,5/ 6-V-3,5 MCBN-YE MQ	0	1		
1706766	SPT 1,5/ 4-V-3,5 MC RD/BK	0	1		
1017267	SPT 1,5/ 2-V-3,5 BK	0	1		
1709811	SPT 1,5/ 4-V-3,5 MIX RD/RD-BK	0	1		
1049367	SPT 1,5/ 4-V-3,5 BK	0	1		
1004620	SPT 1,5/ 6-V-3,5 BK	0	1		
1757442	SPT 1,5/ 8-V-3,5 BK	0	1		
1097646	SPT 1,5/ 8-V-3,5BKBDWH-C14QMQ	0	1		
1097649	SPT 1,5/ 8-V-3,5BKBDWH60BQMQ	0	1		
1713064	SPT 1,5/ 8-V-3,5 BKBDWH:-C40Q	0	1		
1713085	SPT 1,5/ 8-V-3,5 BKBDWH:-203Q	0	1		
1713086	SPT 1,5/ 8-V-3,5 BKBDWH:-T6Q	0	1		
1713060	SPT 1,5/ 8-V-3,5 BKBDWH:-C32Q	0	1		
1097640	SPT 1,5/ 8-V-3,5BKBDWHT1-ACQMQ	0	1		
1713087	SPT 1,5/ 8-V-3,5 BKBDWH:-502Q	0	1		
1702613	SPT 1,5/10-V-3,5 BK	0	1		
1101021	SPT 1,5/24-V-3,5 BKBDWH-I01MQ	0	1		
1708342	SPT 1,5/24-V-3,5 BK	0	1		
1710263	SPT 1,5/24-V-3,5 BKBDWH202Q	0	1		
1710264	SPT 1,5/24-V-3,5 BKBDWHC16Q	0	1		
1710262	SPT 1,5/24-V-3,5 BKBDWH 502Q	0	1		
1708431	SPT 1,5/ 4-V-3,5 MIXC OG-BN	1	2		
1706779	SPT 1,5/ 1-V-3,5 BU SWO	0	1		
1706775	SPT 1,5/ 1-V-3,5 BU	0	1		
1702612	SPT 1,5/10-V-3,5 BU	0	1		
1706738	SPT 1,5/ 1-V-3,5	0	1		
1706739	SPT 1,5/ 1-V-3,5 SWO	1	2		
1172271	SPT 1,5/ 1-V-3,5 R32	1	2		
1990850	SPT 1,5/ 2-V-3,5	0	1		

Item	Item Type	Hardware / Firmware		Item	Substitute item Type
		old	new		
1831358	SPT 1,5/ 2-V-3,5 OM	0	1		
1709842	SPT 1,5/ 3-V-3,5 MIX RD,GN	0	1		
1831361	SPT 1,5/ 3-V-3,5 OM	0	1		
1990863	SPT 1,5/ 3-V-3,5	0	1		
1033387	SPT 1,5/ 3-V-3,5 BD:0-2	0	1		
1831374	SPT 1,5/ 4-V-3,5 OM	0	1		
1710798	SPT 1,5/ 4-V-3,5 BD:13-99 SO	0	1		
1033388	SPT 1,5/ 4-V-3,5 BD:3-6	0	1		
1713656	SPT 1,5/ 4-V-3,5 3RZ2,5	0	1		
1016914	SPT 1,5/ 4-V-3,5 BD:RED-YELQ	0	1		
1990876	SPT 1,5/ 4-V-3,5	0	1		
1704212	SPT 1,5/ 4-V-3,5 BDWH:4-1	1	2		
1831387	SPT 1,5/ 5-V-3,5 OM	0	1		
1990889	SPT 1,5/ 5-V-3,5	0	1		
1710799	SPT 1,5/ 6-V-3,5 BD:20-98 SO	0	1		
1831756	SPT 1,5/ 6-V-3,5 OM	0	1		
1990892	SPT 1,5/ 6-V-3,5	0	1		
1016915	SPT 1,5/ 6-V-3,5 BD:24V-GNDQ	0	1		
1990902	SPT 1,5/ 7-V-3,5	0	1		
1831390	SPT 1,5/ 7-V-3,5 OM	0	1		
1990915	SPT 1,5/ 8-V-3,5	0	1		
1831400	SPT 1,5/ 8-V-3,5 OM	0	1		
1754555	SPT 1,5/ 8-V-3,5 BD:AI1-COM Q	0	1		
1990928	SPT 1,5/ 9-V-3,5	0	1		
1831413	SPT 1,5/ 9-V-3,5 OM	0	1		
1990931	SPT 1,5/10-V-3,5	0	1		
1831426	SPT 1,5/10-V-3,5 OM	0	1		
1990944	SPT 1,5/11-V-3,5	0	1		
1770102	SPT 1,5/12-V-3,5 BD:1-12	0	1		
1990957	SPT 1,5/12-V-3,5	0	1		
1708012	SPT 1,5/15-V-3,5	0	1		
1202942	SPT 1,5/16-V-3,5	0	1		
1068155	SPT 1,5/16-V-3,5 BD:-DO1QSO MQ	0	1		
1712978	SPT 1,5/28-V-3,5 BD:AI1-TX QSO	0	1		
1015006	SPT 1,5/32-V-3,5 BD:-AGD QSO	0	1		
1706768	SPT 1,5/ 1-V-3,5 GY SWO	0	1		
1706742	SPT 1,5/ 1-V-3,5 GY	0	1		
1808307	SPT 1,5/ 2-V-3,5 GY	0	1		
1276273	SPT 1,5/ 8-V-3,5 GY	0	1		

Item	Item Type	Hardware / Firmware		Item	Substitute item Type
		old	new		
1702614	SPT 1,5/10-V-3,5 GY	0	1		
1250837	SPT 1,5/13-V-3,5 GY	0	1		
1705677	SPT 1,5/14-V-3,5 GY	0	1		
1808297	SPT 1,5/16-V-3,5 GY	0	1		
1159852	SPT 1,5/17-V-3,5 GY	0	1		
1159853	SPT 1,5/20-V-3,5 GY	0	1		
1159854	SPT 1,5/25-V-3,5 GY	0	1		
1707003	SPT 1,5/ 1-V-3,5 GY7035	0	1		
1192712	SPT 1,5/ 8-V-3,5 GY7035	0	1		
1702615	SPT 1,5/10-V-3,5 GY7035	0	1		
1706786	SPT 1,5/ 1-V-3,5 OG SWO	0	1		
1706784	SPT 1,5/ 1-V-3,5 OG	0	1		
1706788	SPT 1,5/ 1-V-3,5 RD SWO	0	1		
1247554	SPT 1,5/ 2-V-3,5 RD	0	1		
1702611	SPT 1,5/10-V-3,5 RD	0	1		
1706789	SPT 1,5/ 1-V-3,5 WH	0	1		
1706783	SPT 1,5/ 1-V-3,5 YE SWO	0	1		
1247556	SPT 1,5/ 2-V-3,5 YE	0	1		
1192918	SPT 1,5/ 8-V-3,5 YE	0	1		
1702616	SPT 1,5/10-V-3,5 YE	0	1		
1832933	SPT 2,5/ 1-H-5,0 BK SWO	0	1		
1176320	SPT 2,5/ 2-H-5,0 MC BK/YE	0	1		
1117021	SPT 2,5/ 6-H-5,0 MC RD-BK	0	1		
1714767	SPT 2,5/ 2-H-5,0 MCBK/WH	0	1		
1711043	SPT 2,5/ 2-H-5,0 RD/BK	0	1		
1711044	SPT 2,5/ 3-H-5,0MIX GNYE/BU/BK	0	1		
1832920	SPT 2,5/ 1-H-5,0 BK	0	1		
1176322	SPT 2,5/ 2-H-5,0 MC BK/OG	0	1		
1708330	SPT 2,5/ 6-H-5,0 MIXCOG-BK	0	1		
1704824	SPT 2,5/11-H-5,0MC1RZBDMC:-1SO	1	2		
1707220	SPT 2,5/ 2-H-5,0 BK 1RZ2,5	0	1		
1704736	SPT 2,5/ 2-H-5,0 BK	0	1		
1707222	SPT 2,5/ 3-H-5,0 BK 2RZ2,5/5,0	0	1		
1070796	SPT 2,5/ 3-H-5,0 BK 1RZ2,5	0	1		
1827304	SPT 2,5/ 3-H-5,0 BK	0	1		
1298039	SPT 2,5/ 3-H-5,0 BK 1RZ2,5NZMQ	0	1		
1832849	SPT 2,5/ 3-H-5,0 BK 2RZ 2,5	0	1		
1704740	SPT 2,5/ 4-H-5,0 BK	0	1		
1707224	SPT 2,5/ 4-H-5,0BK2/1RZ2,5/5,0	0	1		

Item	Item Type	Hardware / Firmware		Item	Substitute item Type
		old	new		
1704739	SPT 2,5/ 5-H-5,0 BK	0	1		
1224443	SPT 2,5/ 7-H-5,0 BK	0	1		
1704742	SPT 2,5/ 8-H-5,0 BK	0	1		
1704743	SPT 2,5/10-H-5,0 BK	0	1		
1819325	SPT 2,5/12-H-5,0 BK	0	1		
1704406	SPT 2,5/ 4-H-5,0 MIX BK/RD	0	1		
1769090	SPT 2,5/ 6-H-5,0 BK	0	1		
1117022	SPT 2,5/ 8-H-5,0 MC SVT-BU	1	2		
1708331	SPT 2,5/ 8-H-5,0 MIXCSVT-RD	1	2		
1832975	SPT 2,5/ 1-H-5,0 BU SWO	0	1		
1832962	SPT 2,5/ 1-H-5,0 BU	0	1		
1081003	SPT 2,5/ 2-H-5,0 BU	0	1		
1709873	SPT 2,5/ 8-H-5,0 3RZ2,5 BU/BK	0	1		
1832917	SPT 2,5/ 1-H-5,0 SWO	1	2		
1751066	SPT 2,5/ 1-H-5,0	0	1		
1831617	SPT 2,5/ 2-H-5,0 OM	0	1		
1990973	SPT 2,5/ 2-H-5,0	0	1		
1732386	SPT 2,5/ 2-H-5,0-EX	1	2		
1714570	SPT 2,5/ 2-H-5,0 1RZ2,5BD2:AC	0	1		
1706019	SPT 2,5/ 2-H-5,0 1RZ2,5	0	1		
1990986	SPT 2,5/ 3-H-5,0	0	1		
1706020	SPT 2,5/ 3-H-5,0 2RZ 2,5	0	1		
1732399	SPT 2,5/ 3-H-5,0-EX	1	2		
1831620	SPT 2,5/ 3-H-5,0 OM	0	1		
1714415	SPT 2,5/ 3-H-5,0 2RZ5,0	0	1		
1990999	SPT 2,5/ 4-H-5,0	0	1		
1034484	SPT 2,5/ 4-H-EX PROFINET 1	0	1		
1831633	SPT 2,5/ 4-H-5,0 OM	0	1		
1037934	SPT 2,5/ 4-H-5,0 1RZ2,5	0	1		
1709300	SPT 2,5/ 4-H-5,0-EX 3RZ	1	2		
1732409	SPT 2,5/ 4-H-5,0-EX	1	2		
1034522	SPT 2,5/ 4-H-EX PROFINET 2	0	1		
1101807	SPT 2,5/ 4-H-5,0-EX BD:1-4	0	1		
1101808	SPT 2,5/ 4-H-5,0-EX BD:5-8	0	1		
1101810	SPT 2,5/ 4-H-5,0-EX BD:14-11SO	0	1		
1101811	SPT 2,5/ 4-H-5,0-EX BD:18-15SO	0	1		
1064709	SPT 2,5/ 5-H-5,0 6RZ5,0+2RZ2,5	0	1		
1106941	SPT 2,5/ 5-H-5,0-EX 4RZ2,5	0	1		
1762220	SPT 2,5/ 5-H-5,0 BD:E1,12-31SO	0	1		

Item	Item Type	Hardware / Firmware		Item	Substitute item Type
		old	new		
1831646	SPT 2,5/ 5-H-5,0 OM	0	1		
1762246	SPT 2,5/ 5-H-5,0 BD:E1,14-31SO	0	1		
1732412	SPT 2,5/ 5-H-5,0-EX	1	2		
1991008	SPT 2,5/ 5-H-5,0	0	1		
1762217	SPT 2,5/ 5-H-5,0 BD:42-E2 SO	0	1		
1101772	SPT 2,5/ 5-H-5,0 2RZ5,0 MQ	0	1		
1762233	SPT 2,5/ 5-H-5,0 BD:44-E2 SO	0	1		
1700769	SPT 2,5/ 6-H-5,0 2RZ BD:6-2SO	1	2		
1991011	SPT 2,5/ 6-H-5,0	0	1		
1732425	SPT 2,5/ 6-H-5,0-EX	1	2		
1709696	SPT 2,5/ 6-H-5,0-EX 5RZ2,5	1	2		
1831659	SPT 2,5/ 6-H-5,0 OM	0	1		
1831662	SPT 2,5/ 7-H-5,0 OM	0	1		
1732438	SPT 2,5/ 7-H-5,0-EX	1	2		
1991024	SPT 2,5/ 7-H-5,0	0	1		
1732441	SPT 2,5/ 8-H-5,0-EX	1	2		
1991037	SPT 2,5/ 8-H-5,0	0	1		
1831675	SPT 2,5/ 8-H-5,0 OM	0	1		
1831688	SPT 2,5/ 9-H-5,0 OM	0	1		
1732454	SPT 2,5/ 9-H-5,0-EX	1	2		
1991040	SPT 2,5/ 9-H-5,0	0	1		
1831691	SPT 2,5/10-H-5,0 OM	0	1		
1991053	SPT 2,5/10-H-5,0	0	1		
1101802	SPT 2,5/10-H-5,0-EX BD:20-11SO	0	1		
1101801	SPT 2,5/10-H-5,0-EX BD:1-10	0	1		
1732467	SPT 2,5/10-H-5,0-EX	1	2		
1732470	SPT 2,5/11-H-5,0-EX	1	2		
1991066	SPT 2,5/11-H-5,0	0	1		
1991079	SPT 2,5/12-H-5,0	0	1		
1732483	SPT 2,5/12-H-5,0-EX	1	2		
1097047	SPT 2,5/14-H-5,0	0	1		
1716602	SPT 2,5/15-H-5,0	0	1		
1716673	SPT 2,5/17-H-5,0	0	1		
1100827	SPT 2,5/21-H-5,0 1RZ2,5	0	1		
1140435	SPT 2,5/21-H-5,0 1RZ2,5 MQ	0	1		
1098037	SPT 2,5/21-H-5,0	0	1		
1832946	SPT 2,5/ 1-H-5,0 GY	0	1		
1832959	SPT 2,5/ 1-H-5,0 GY SWO	0	1		
1228497	SPT 2,5/ 2-H-5,0 GY	0	1		

Item	Item Type	Hardware / Firmware		Item	Substitute item Type
		old	new		
1099000	SPT 2,5/ 2-H-5,0 GY 1RZ2,5	0	1		
1021060	SPT 2,5/ 3-H-5,0 GY 2RZ2,5/5,0	0	1		
1174969	SPT 2,5/ 3-H-5,0GY2/2RZ2,5/5,0	0	1		
1709533	SPT 2,5/ 4-H-5,0 GY	0	1		
1021235	SPT 2,5/ 4-H-5,0GY2/1RZ2,5/5,0	0	1		
1021061	SPT 2,5/ 5-H-5,0 GY	0	1		
1808271	SPT 2,5/ 6-H-5,0 GY	0	1		
1806299	SPT 2,5/ 9-H-5,0 GY	0	1		
1109178	SPT 2,5/ 2-H-5,0 GY7012	0	1		
1148188	SPT 2,5/ 3-H-5,0 GY7012	0	1		
1109194	SPT 2,5/ 3-H-5,0 GY7012/OG	0	1		
1109202	SPT 2,5/ 4-H-5,0 GY7012	0	1		
1109204	SPT 2,5/ 8-H-5,0 GY7012	0	1		
1714173	SPT 2,5/ 2-H-5,0 GYBN	0	1		
1067874	SPT 2,5/ 3-H-5,0 GYBN	0	1		
1134708	SPT 2,5/ 4-H-5,0 GYBN	0	1		
1833042	SPT 2,5/ 1-H-5,0 OG	0	1		
1833055	SPT 2,5/ 1-H-5,0 OG SWO	0	1		
1833000	SPT 2,5/ 1-H-5,0 RD	0	1		
1081000	SPT 2,5/ 2-H-5,0 RD	0	1		
1832988	SPT 2,5/ 1-H-5,0 WH	0	1		
1832991	SPT 2,5/ 1-H-5,0 WH SWO	0	1		
1107988	SPT 2,5/ 4-H-5,0 WH 3RZ2,5 MQ	0	1		
1138928	SPT 2,5/ 4-H-5,0 WH 3RZ2,5	0	1		
1833039	SPT 2,5/ 1-H-5,0 YE SWO	0	1		
1710203	SPT 2,5/ 2-H-5,0-EX GNYE	1	2		
1747818	SPT 2,5/ 1-V-5,0 BK	0	1		
1194583	SPT 2,5/ 2-V-5,0-EX MC BK/RD	0	1		
1776407	SPT 2,5/ 2-V-5,0 MIXBK/BU	0	1		
1705586	SPT 2,5/ 2-V-5,0 MIXRD/BK RZ	0	1		
1260604	SPT 2,5/ 3-V-5,0 MC BN/BK/GY	0	1		
1232183	SPT 2,5/ 4-V-5,0MIX BK-7035 MQ	0	1		
1180625	SPT 2,5/ 2-V-5,0 BK VPE800	0	1		
1231944	SPT 2,5/ 4-V-5,0MIX 7035-BK MQ	0	1		
1708300	SPT 2,5/ 2-V-5,0-EX BK	1	2		
1703595	SPT 2,5/ 2-V-5,0 BK	0	1		
1702217	SPT 2,5/ 3-V-5,0 MIXBDWH:P,E,N	0	1		
1744154	SPT 2,5/ 3-V-5,0 BK BDWH:1-3	0	1		
1711791	SPT 2,5/ 3-V-5,0 BK	0	1		

Item	Item Type	Hardware / Firmware		Item	Substitute item Type
		old	new		
1708299	SPT 2,5/ 3-V-5,0-EX BK	1	2		
1827223	SPT 2,5/ 4-V-5,0 BK BDWH:D0-V	0	1		
1706436	SPT 2,5/ 4-V-5,0 BKBDWH:V-D0SO	0	1		
1714152	SPT 2,5/ 4-V-5,0 BK	0	1		
1068426	SPT 2,5/ 4-V-5,0 BK 1RZ 5,0	1	2		
1708668	SPT 2,5/ 5-V-5,0 BK	0	1		
1711793	SPT 2,5/ 6-V-5,0 BK	0	1		
1017268	SPT 2,5/ 8-V-5,0 BK	0	1		
1068424	SPT 2,5/ 8-V-5,0 BK 7RZ 2,5	0	1		
1744183	SPT 2,5/ 8-V-5,0 BK BDWH:1-8	0	1		
1744196	SPT 2,5/ 8-V-5,0 BK BDWH:9-16	0	1		
1744206	SPT 2,5/ 8-V-5,0 BK BDWH:17-24	0	1		
1086742	SPT 2,5/ 9-V-5,0 BK	0	1		
1098314	SPT 2,5/12-V-5,0 BK	0	1		
1017269	SPT 2,5/13-V-5,0 BK	0	1		
1709894	SPT 2,5/12-V-5,0 MIX5RZ PIN3,5	1	2		
1702735	SPT 2,5/ 8-V-5,0 MIX YE/BU/BN	1	2		
1194570	SPT 2,5/ 3-V-5,0-EX MC2RZ5,0BD	0	1		
1047591	SPT 2,5/ 4-V-5,0 MC BN/BU	1	2		
1194596	SPT 2,5/ 2-V-5,0-EX BN	0	1		
1827252	SPT 2,5/ 4-V-5,0 BN BDWH:1-7	1	2		
1827265	SPT 2,5/ 4-V-5,0 BN BDWH:2-8	1	2		
1702679	SPT 2,5/23-V-5,0 4RZ MIXCOL	1	2		
1833149	SPT 2,5/ 1-V-5,0 BU	0	1		
1833152	SPT 2,5/ 1-V-5,0 BU SWO	0	1		
1008524	SPT 2,5/ 4-V-5,0 MC BU/GN 3RZ	0	1		
1027455	SPT 2,5/ 2-V-5,0 1RZ MC RD/BU	0	1		
1194590	SPT 2,5/ 2-V-5,0-EX BU	0	1		
1180628	SPT 2,5/ 2-V-5,0 BU VPE800	0	1		
1712856	SPT 2,5/ 2-V-5,0 BU E+H	0	1		
1250085	SPT 2,5/ 2-V-5,0BUBD:DA-,DA+SO	0	1		
1708740	SPT 2,5/ 2-V-5,0 BU	0	1		
1716398	SPT 2,5/ 4-V-5,0 MCRD-BU	0	1		
1250087	SPT 2,5/ 2-V-5,0BUBD:-DA+SOMQ	0	1		
1709763	SPT 2,5/ 3-V-5,0 BU	0	1		
1707242	SPT 2,5/ 4-V-5,0BUBDWH:T1-T4	0	1		
1707241	SPT 2,5/ 4-V-5,0BUBDWH:5-37	0	1		
1771538	SPT 2,5/ 4-V-5,0 BU	0	1		
1704756	SPT 2,5/ 5-V-5,0 BU	0	1		

Item	Item Type	Hardware / Firmware		Item	Substitute item Type
		old	new		
1706407	SPT 2,5/10-V-5,0 BU BD:2-20 EVEN	1	2		
1705927	SPT 2,5/10-V-5,0 BU	0	1		
1706405	SPT 2,5/10-V-5,0 BU BD:1-19 ODD	1	2		
1706017	SPT 2,5/12-V-5,0-EXBU BD:PA-PA	2	3		
1833107	SPT 2,5/ 1-V-5,0 SWO	1	2		
1731468	SPT 2,5/ 1-V-5,0	0	1		
1110285	SPT 2,5/ 1-V-5,0-EX BD1	0	1		
1110300	SPT 2,5/ 1-V-5,0-EX BD2	0	1		
1991095	SPT 2,5/ 2-V-5,0	0	1		
1732496	SPT 2,5/ 2-V-5,0-EX	1	2		
1839389	SPT 2,5/ 2-V-5,0 BDWH:41,42	1	2		
1839363	SPT 2,5/ 2-V-5,0 BDWH:8,8	1	2		
1707238	SPT 2,5/ 2-V-5,0-EX BDWH:42,41	2	3		
1700696	SPT 2,5/ 2-V-5,0 BD:-,+ SO	0	1		
1704924	SPT 2,5/ 2-V-5,0 1RZ5,0	0	1		
1831523	SPT 2,5/ 2-V-5,0 OM	0	1		
1707582	SPT 2,5/ 2-V-5,0 1RZ2,5	0	1		
1872582	SPT 2,5/ 2-V-5,0 2 RZ2,5	0	1		
1033386	SPT 2,5/ 2-V-5,0 BD:7-8	0	1		
1831057	SPT 2,5/ 2-V-5,0 BDWH:42,41	1	2		
1713241	SPT 2,5/ 2-V-5,0 BD:+,- Q	0	1		
1033385	SPT 2,5/ 2-V-5,0 BD:PE-PE	0	1		
1307291	SPT 2,5/ 2-V-5,0 BD:-DA+SOMQ	0	1		
1991105	SPT 2,5/ 3-V-5,0	0	1		
1704213	SPT 2,5/ 3-V-5,0 BD:3-1SO	0	1		
1831536	SPT 2,5/ 3-V-5,0 OM	0	1		
1732506	SPT 2,5/ 3-V-5,0-EX	1	2		
1700695	SPT 2,5/ 3-V-5,0 BD:ERDE,-,+SO	0	1		
1702857	SPT 2,5/ 3-V-5,0 BD:1-3	0	1		
1704361	SPT 2,5/ 3-V-5,0 BDWH:1-3	0	1		
1807007	SPT 2,5/ 3-V-5,0 2RZ2,5	0	1		
1033380	SPT 2,5/ 3-V-5,0 BD:U-W	0	1		
1712977	SPT 2,5/ 3-V-5,0 BD:PE-N QSO	1	2		
1706022	SPT 2,5/ 3-V-5,0 2RZ5,0	0	1		
1714449	SPT 2,5/ 3-V-5,0-EX 2RZ5,0	0	1		
1252707	SPT 2,5/ 3-V-5,0-EX 2RZ5,0BDWH	0	1		
1991118	SPT 2,5/ 4-V-5,0	0	1		
1172228	SPT 2,5/ 4-V-5,0 R56	1	2		
1704617	SPT 2,5/ 4-V-5,0 3RZ2,5	1	2		

Item	Item Type	Hardware / Firmware		Item	Substitute item Type
		old	new		
1831549	SPT 2,5/ 4-V-5,0 OM	0	1		
1839428	SPT 2,5/ 4-V-5,0 BDWH:9-12	1	2		
1250091	SPT 2,5/ 4-V-5,0 BD:L-N SO	0	1		
1250097	SPT 2,5/ 4-V-5,0 BD:L-N SO MQ	0	1		
1770089	SPT 2,5/ 4-V-5,0 BD:1-4	0	1		
1034460	SPT 2,5/ 4-V-EX PROFINET 2	0	1		
1034421	SPT 2,5/ 4-V-EX PROFINET 1	0	1		
1839402	SPT 2,5/ 4-V-5,0 BDWH:4-7	1	2		
1732519	SPT 2,5/ 4-V-5,0-EX	1	2		
1712868	SPT 2,5/ 4-V-5,0 E+H	0	1		
1831730	SPT 2,5/ 4-V-5,0 BDWH:5,7,4,37	1	2		
1991121	SPT 2,5/ 5-V-5,0	0	1		
1701213	SPT 2,5/ 5-V-5,0 BD:ERDE-1SO	0	1		
1831552	SPT 2,5/ 5-V-5,0 OM	0	1		
1732522	SPT 2,5/ 5-V-5,0-EX	1	2		
1713601	SPT 2,5/ 5-V-5,0 5RZ5,0	0	1		
1991134	SPT 2,5/ 6-V-5,0	0	1		
1172224	SPT 2,5/ 6-V-5,0 R72	1	2		
1269226	SPT 2,5/ 6-V-5,0 5RZ5,0 MQ	0	1		
1831565	SPT 2,5/ 6-V-5,0 OM	0	1		
1732535	SPT 2,5/ 6-V-5,0-EX	1	2		
1307280	SPT 2,5/ 6-V-5,0 BD:S1-K1SOMQ	0	1		
1252708	SPT 2,5/ 6-V-5,0-EX BDWH:26-23	0	1		
1991147	SPT 2,5/ 7-V-5,0	0	1		
1831578	SPT 2,5/ 7-V-5,0 OM	0	1		
1732548	SPT 2,5/ 7-V-5,0-EX	1	2		
1831073	SPT 2,5/ 7-V-5,0 BDWH:6,5-36	1	2		
1705046	SPT 2,5/ 7-V-5,0 BD:1-7	0	1		
1991150	SPT 2,5/ 8-V-5,0	0	1		
1831581	SPT 2,5/ 8-V-5,0 OM	0	1		
1732551	SPT 2,5/ 8-V-5,0-EX	1	2		
1759987	SPT 2,5/ 8-V-5,0-EX BD:PE-PE	1	2		
1701902	SPT 2,5/ 8-V-5,0-EX BD:PE,5,6	1	2		
1839444	SPT 2,5/ 8-V-5,0 BDWH:X1-X8	1	2		
1074812	SPT 2,5/ 8-V-5,0 BD:4-7 MQ	0	1		
1167011	SPT 2,5/ 8-V-5,0 7RZ2,5 MQ	0	1		
1839868	SPT 2,5/ 8-V-5,0 BD:-B2+	0	1		
1991163	SPT 2,5/ 9-V-5,0	0	1		
1770092	SPT 2,5/ 9-V-5,0 BD:1-9	0	1		

Item	Item Type	Hardware / Firmware		Item	Substitute item Type
		old	new		
1831594	SPT 2,5/ 9-V-5,0 OM	0	1		
1732564	SPT 2,5/ 9-V-5,0-EX	1	2		
1701484	SPT 2,5/ 9-V-5,0-EX 5RZBDPE-PE	1	2		
1991176	SPT 2,5/10-V-5,0	0	1		
1831604	SPT 2,5/10-V-5,0 OM	0	1		
1732577	SPT 2,5/10-V-5,0-EX	1	2		
1991189	SPT 2,5/11-V-5,0	0	1		
1732580	SPT 2,5/11-V-5,0-EX	1	2		
1991192	SPT 2,5/12-V-5,0	0	1		
1762958	SPT 2,5/12-V-5,0-EX BD:PE-PE	1	2		
1732593	SPT 2,5/12-V-5,0-EX	1	2		
1701483	SPT 2,5/12-V-5,0-EXBD:PE,11-PE	1	2		
1208725	SPT 2,5/13-V-5,0	0	1		
1704310	SPT 2,5/14-V-5,0	0	1		
1864985	SPT 2,5/15-V-5,0	0	1		
1702734	SPT 2,5/16-V-5,0	0	1		
1702680	SPT 2,5/19-V-5,0 6RZ	2	3		
1704407	SPT 2,5/21-V-5,0	0	1		
1702733	SPT 2,5/24-V-5,0 7 RZ	0	1		
1210702	SPT 2,5/24-V-5,0 MQ	0	1		
1806574	SPT 2,5/25-V-5,0	0	1		
1703528	SPT 2,5/27-V-5,0	0	1		
1702732	SPT 2,5/34-V-5,0	0	1		
1247931	SPT 2,5/34-V-5,0 BD:2.1-21.3	0	1		
1701370	SPT 2,5/ 1-V-5,0 PIN 3,5VPE250	0	1		
1763685	SPT 2,5/ 1-V-5,0 PIN 3,5	0	1		
1713654	SPT 2,5/ 2-V-5,0 PIN 3,5	0	1		
1142738	SPT 2,5/ 3-V-5,0 PIN 3,5 MQ	0	1		
1069028	SPT 2,5/ 5-V-5,0 PIN 3,5 MQ	0	1		
1069031	SPT 2,5/ 6-V-5,0 PIN 3,5 MQ	0	1		
1701632	SPT 2,5/ 7-V-5,0 PIN 3,5	0	1		
1708270	SPT 2,5/ 8-V-5,0 PIN 3,5	0	1		
1701635	SPT 2,5/ 9-V-5,0 2RZ5,0PIN 3,5	0	1		
1701633	SPT 2,5/11-V-5,0 4RZ PIN 3,5	0	1		
1070598	SPT 2,5/ 3-V-5,0 PA 13	0	1		
1833123	SPT 2,5/ 1-V-5,0 GY	0	1		
1744170	SPT 2,5/ 2-V-5,0 GY BD:1-2	0	1		
1709628	SPT 2,5/ 2-V-5,0 GY	0	1		
1814414	SPT 2,5/ 3-V-5,0 RZ GY BD:L-PE	1	2		

Item	Item Type	Hardware / Firmware		Item	Substitute item Type
		old	new		
1079237	SPT 2,5/ 3-V-5,0 GY	0	1		
1713344	SPT 2,5/ 3-V-5,0 GY 2RZ2,5	0	1		
1846741	SPT 2,5/ 4-V-5,0 GY BD:13-24	0	1		
1072425	SPT 2,5/ 4-V-5,0 GY	0	1		
1706584	SPT 2,5/12-V-5,0 MIX GY/GN	0	1		
1079247	SPT 2,5/ 5-V-5,0 GY	0	1		
1846738	SPT 2,5/10-V-5,0 GY BD:33-4-Q	0	1		
1858137	SPT 2,5/10-V-5,0 GY	0	1		
1773329	SPT 2,5/12-V-5,0 GY BD:21-32	0	1		
1773442	SPT 2,5/12-V-5,0 GY BD:32-21	1	2		
1773358	SPT 2,5/20-V-5,0 GY BD:20-1	0	1		
1191061	SPT 2,5/20-V-5,0 GY	0	1		
1773332	SPT 2,5/20-V-5,0 GY BD:1-20	0	1		
1768237	SPT 2,5/32-V-5,0 GY BD:1-32	0	1		
1773345	SPT 2,5/32-V-5,0 GY BD:32-1	0	1		
1778502	SPT 2,5/12-V-5,0GYPIN3,5BD1-12	0	1		
1815992	SPT 2,5/ 1-V-5,0 GY7035	0	1		
1704867	SPT 2,5/ 2-V-5,0 GY7035	0	1		
1149160	SPT 2,5/ 3-V-5,0 GY35 BD:-12SO	0	1		
1706410	SPT 2,5/ 4-V-5,0 GY BD:1-7 ODD	1	2		
1704868	SPT 2,5/ 4-V-5,0 GY7035	0	1		
1706411	SPT 2,5/ 4-V-5,0 GYBD:2-8 EVEN	1	2		
1250109	SPT 2,5/ 6-V-5,0 GY35BD-K1SOMQ	0	1		
1250108	SPT 2,5/ 6-V-5,0 GY35BDS1-K1SO	0	1		
1034299	SPT 2,5/ 3-V-5,0 GYBN	0	1		
1833220	SPT 2,5/ 1-V-5,0 OG SWO	0	1		
1833217	SPT 2,5/ 1-V-5,0 OG	0	1		
1710024	SPT 2,5/ 2-V-5,0 OG	0	1		
1706409	SPT 2,5/ 4-V-5,0 OG BD:1-4	1	2		
1705929	SPT 2,5/ 4-V-5,0 OG	0	1		
1707649	SPT 2,5/ 6-V-5,0 OG	0	1		
1708460	SPT 2,5/ 6-V-5,0 OG P3,5	0	1		
1755143	SPT 2,5/ 1-V-5,0 RD	0	1		
1778544	SPT 2,5/ 2-V-5,0 MIXRD/BK	0	1		
1161105	SPT 2,5/ 3-V-5,0 EX MCRDNGYBD	0	1		
1702475	SPT 2,5/ 2-V-5,0 MIX BU/RD	0	1		
1709769	SPT 2,5/ 4-V-5,0 RD/BK/RD/BK	0	1		
1703594	SPT 2,5/ 2-V-5,0 RD	0	1		
1180637	SPT 2,5/ 2-V-5,0 RD VPE800	0	1		

Item	Item Type	Hardware / Firmware		Item	Substitute item Type
		old	new		
1705665	SPT 2,5/ 4-V-5,0 MC 3RZ 2,5	0	1		
1067559	SPT 2,5/15-V-5,0 MC BN-OG	1	2		
1744141	SPT 2,5/ 3-V-5,0 RD BDWH:1-3	0	1		
1194586	SPT 2,5/ 6-V-5,0-EX MC BK/RD	0	1		
1705925	SPT 2,5/ 4-V-5,0 RD	0	1		
1704757	SPT 2,5/ 5-V-5,0 RD	0	1		
1706417	SPT 2,5/ 5-V-5,0 RD BD:1-5	1	2		
1705926	SPT 2,5/ 6-V-5,0 RD	0	1		
1744167	SPT 2,5/12-V-5,0 RD BDWH:1-12	0	1		
1709875	SPT 2,5/12-V-5,0 MC 4RZ PIN3,5	0	1		
1712414	SPT 2,5/ 3-V-5,0 RDP3,5BDWH1-3	0	1		
1827236	SPT 2,5/ 4-V-5,0 SVT BDWH4-1SO	0	1		
1815468	SPT 2,5/ 1-V-5,0 TIGY	0	1		
1772896	SPT 2,5/ 5-V-5,0 MIXED COL	0	1		
1183219	SPT 2,5/ 6-V-5,0 MCBK-WH MQ	0	1		
1833165	SPT 2,5/ 1-V-5,0 WH	0	1		
1183218	SPT 2,5/ 6-V-5,0 MCWH-BK MQ	0	1		
1705932	SPT 2,5/ 4-V-5,0 WH	0	1		
1712916	SPT 2,5/12-V-5,0 WH	0	1		
1701118	SPT 2,5/20-V-5,0 WH	0	1		
1703588	SPT 2,5/ 3-V-5,0 MIX GN/GN-YE	1	2		
1710375	SPT 2,5/ 3-V-5,0 2RZ2,5GY/GNYE	1	2		
1713342	SPT 2,5/ 5-V-5,0 MIXCGY 4RZ2,5	1	2		
1713343	SPT 2,5/ 3-V-5,0 MIXCGY 2RZ2,5	1	2		
1705690	SPT 2,5/ 3-V-5,0 2RZ2,5GN/GNYE	1	2		
1858111	SPT 2,5/ 4-V-5,0 3RZ2,5GY/GNYE	2	3		
1833204	SPT 2,5/ 1-V-5,0 YE SWO	0	1		
1271511	SPT 2,5/ 4-V-5,0 MC BN-GNYE MQ	0	1		
1045579	SPT 2,5/ 3-V-5,0 MC GNYE/7035	0	1		
1247932	SPT 2,5/10-V-5,0 MCBDWH-D.1SO	0	1		
1184004	SPT 2,5/ 3-V-5,0 MC BDPE-+U1MQ	0	1		
1707262	SPT 2,5/ 4-V-5,0 MIX YE-BK	1	2		
1111715	SPT 2,5/ 6-V-5,0 2RZ2,5 MC-GN	0	1		
1067550	SPT 2,5/20-V-5,0 MC YE-OG	1	2		
1067558	SPT 2,5/15-V-5,0 MC YE-OG	1	2		
1064716	SPT 2,5/19-V-5,0 MC YE-RD,OG	1	2		
1709598	SPT 2,5/ 6-V-5,0 MIX RD,YE,GN	0	1		
1712104	SPT 2,5/19-V-5,0 MC YE-OG	1	2		
1710220	SPT 2,5/14-V-5,0-EXMC12RZBD+12	2	3		

Item	Item Type	Hardware / Firmware		Item	Substitute item Type
		old	new		
1702636	SPT 2,5/ 6-V-5,0 MIXCOL	1	2		
1705930	SPT 2,5/ 4-V-5,0 YE	0	1		
1827249	SPT 2,5/ 5-V-5,0 YE BD:1-5	0	1		
1704759	SPT 2,5/ 5-V-5,0 GNYE	1	2		
1714095	SPT 2,5/ 6-V-5,0 YE	0	1		
1714493	SPT 2,5/17-V-5,0 GNYE	1	2		
1769414	SPT 2,5/ 8-V-5,0 2RZ BK/RD/GY	0	1		
1772906	SPT 2,5/ 6-V-5,0 OG/BU	0	1		
1774593	SPT 1,5/ 8-V-3,5 BKBDWH:33-40Q	0	1		
1774603	SPT 1,5/ 8-V-3,5 BKBDWH:41-48Q	0	1		
1774551	SPT 1,5/ 8-V-3,5 BKBDWH:1-8 Q	0	1		
1774564	SPT 1,5/ 8-V-3,5 BKBDWH:9-16Q	0	1		
1774577	SPT 1,5/ 8-V-3,5 BKBDWH:17-24Q	0	1		
1774580	SPT 1,5/ 8-V-3,5 BKBDWH:25-32Q	0	1		
1774616	SPT 1,5/ 8-V-3,5 BKBDWH:49-56Q	0	1		
1709800	SPT 2,5/10-V-5,0 RDBDSOWH:19-1	0	1		
1709802	SPT 2,5/10-V-5,0 RDBDSOWH:20-2	0	1		