

## Product change notification (PCN)

<b>Title / short description</b>	Change of M12 x-coded to Advanced Shielding Technology and from M12 SPEEDCON to M12 standard - Update to PCN N0212075
<b>Affected article category</b>	Sensor/actuator cabling
<b>Change category</b>	Form and appearance
<b>Change number</b>	CBF200069-0

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### Purpose/objective of the change

Change of M12 x-coded to Advanced Shielding Technology and from M12 SPEEDCON to M12 standard

### Detailed description of the change

The previously used crimp sleeves will be replaced by Advanced Shielding Technology. As a result, the overmold will be somewhat thinner and the product technically improved. Furthermore, the M12 SPEEDCON technology will be replaced by the M12 standard technology.

### Identifying characteristics

See attachment

<b>Start of Production (SOP)</b>	-	<b>Last Time Delivery (LTD)</b>	-
<b>Effective date (EOP)</b>	2020-09-01	<b>End of Service (EOSR)</b>	-
<b>End of Sales (EOS)</b>	-		

### 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 checked="" type="checkbox"/> Product improvement with customer benefits |  |
| <input checked="" type="checkbox"/> Others          |  |  |
- Update to PCN N0212075 from 2019

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### Attachments

- Description\_change\_SCO\_M12\_Standard.xlsx
- 1102088\_EN\_HQ\_L3\_Image\_AST\_LoRes.pdf
- PCN\_CBF200069\_EN.pptx
- Material\_list.csv
- PCN-CBF200069-0 Änderung M12 X-kodiert auf Advanced Shielding Technology und von M12-SPEEDCON zu M12-Standard - Update zur PCN N0212075\_DE
- PCN-CBF200069-0 Change of M12 x-coded to Advanced Shielding Technology and from M12 SPEEDCON to M12 standard - Update to PCN N0212075\_EN

## Material list

Item	Article Type	Hardware / Firmware		Item	Substitute item Type
		old	new		
1002933	NBC-M12MSX/ 0,3-94F/R4AC	0	1		
1004430	NBC-MSD/ 0,5-94S/MSX SCO SW-EL	0	1		
1015953	NBC-MSX/20,0-94S/FSX-8QO SCO	0	1		
1015954	NBC-MSX/15,0-94S/FSX-8QO SCO	0	1		
1015955	NBC-MSX/10,0-94S/FSX-8QO SCO	0	1		
1015956	NBC-MSX/5,0-94S/FSX-8QO SCO	0	1		
1017446	NBC-MSX/3,05-94S SCO CV	0	1		
1036745	NBC-MSX/ 5,02-94F SCO CV	0	1		
1039383	NBC-MSX/50,0-94F D-VIT	0	1		
1039385	NBC-MSX/1,5-94F/R4AC D-VIT	0	1		
1039815	NBC-MSX/ 1,0-94S/M12FS CH-GM	0	1		
1039880	NBC-MSX/ 1,0-94S/M12MR CH-GM	0	1		
1040200	NBC-MSX/ 3,0-94S/M12MR CH-GM	0	1		
1046441	NBC-M12MSX/10,0-94F/M12MSX SK	0	1		
1046443	NBC-M12MSX/ 3,0-94F/M12MSX SK	0	1		
1089053	NBC-M12MSX/50,0-94F	0	1		
1105505	NBC-M12MSX/2,0-94D/M12MSD US	0	1		
1105901	NBC-MSX/24,4-94S/GCMS SR1301	1	2		
1105921	NBC-MSX/24,7-94S/MSX SR1302	1	2		
1106889	NBC-MSX/ 2,1-94S/GCMS SR1402	1	2		
1106890	NBC-MSX/ 4,5-94S/GCMS SR2301	0	1		
1106993	NBC-MSX/25,2-94S/GCMS SR2302	0	1		
1106998	NBC-MSX/ 5,0-94S/GCMS SR2401	0	1		
1107004	NBC-MSX/23,2-94S/GCMS SR2402	0	1		
1107006	NBC-MSX/ 4,6-94S/GCMS SR3301	0	1		
1107019	NBC-MSX/27,0-94S/GCMS SR3302	0	1		
1107036	NBC-MSX/ 6,7-94S/GCMS SR3401	0	1		
1107041	NBC-MSX/26,5-94S/GCMS SR3402	0	1		
1107043	NBC-MSX/28,5-94S/GCMS SR4301	0	1		
1107067	NBC-MSX/ 5,0-94S/GCMS SR4402	0	1		
1107071	NBC-MSX/25,7-94S/MSX SR3303	0	1		
1107073	NBC-MSX/28,0-94S/MSX SR4302	0	1		
1403879	VS-M12MSS-M12MSS-94F/2,0/G WL	3	4		
1403880	VS-M12MSS-M12MSS-94F/5,0/G WL	3	4		
1403881	VS-M12MSS-IP20-94F/5,0/G WL	3	4		
1404400	VS-M12MSS-OE-94F/10,0/10G WL	2	3		
1405634	SAC-MSX/0,5-94F/R4AC 10G SKR	0	1		
1405635	SAC-MSX/1,0-94F/R4AC 10G SKR	0	1		

Item	Article Type	Hardware / Firmware		Item	Substitute item Type
		old	new		
1405636	SAC-MSX/2,0-94F/R4AC 10G SKR	0	1		
1405637	SAC-MSX/5,0-94F/R4AC 10G SKR	0	1		
1405638	SAC-MSX/10,0-94F/R4AC 10G SKR	0	1		
1407467	NBC-MSX/ 1,0-94F SCO	5	6		
1407468	NBC-MSX/ 2,0-94F SCO	4	5		
1407469	NBC-MSX/ 5,0-94F SCO	4	5		
1407470	NBC-MSX/10,0-94F SCO	4	5		
1407471	NBC-MSX/ 1,0-94F/R4AC SCO	5	6		
1407472	NBC-M12MSX/ 2,0-94F/R4AC	5	6		
1407473	NBC-M12MSX/ 5,0-94F/R4AC	5	6		
1407474	NBC-M12MSX/10,0-94F/R4AC	5	6		
1407475	NBC-M12MSX/ 1,0-94F/R4RC	3	4		
1407476	NBC-M12MSX/ 2,0-94F/R4RC	3	4		
1407477	NBC-M12MSX/ 5,0-94F/R4RC	3	4		
1407478	NBC-M12MSX/ 10,0-94F/R4RC	3	4		
1407479	NBC-M12MSX/ 1,0-94F/R4QC	3	4		
1407480	NBC-M12MSX/ 2,0-94F/R4QC	3	4		
1407481	NBC-M12MSX/ 5,0-94F/R4QC	3	4		
1407482	NBC-M12MSX/10,0-94F/R4QC	3	4		
1407483	NBC-MSX/ 1,0-94F/MSX SCO	5	6		
1407484	NBC-MSX/ 2,0-94F/MSX SCO	5	6		
1407485	NBC-MSX/ 5,0-94F/MSX SCO	5	6		
1407486	NBC-MSX/10,0-94F/MSX SCO	5	6		
1408644	NBC-M12MSX-M12MSX-10G/.../...	4	5		
1408645	NBC-M12MSX-R4QC-10G/.../...	1	2		
1408646	NBC-M12MSX-R4RC-10G/.../...	1	2		
1408647	NBC-M12MSX-R4AC-10G/.../...	4	5		
1408648	NBC-M12MSX-10G/.../...	1	2		
1410112	NBC-MSX/ 2,0-94C/R4AC SCO KY	2	3		
1410113	NBC-MSX/ 5,0-94C/R4AC SCO KY	2	3		
1410114	NBC-MSX/10,0-94C/R4ACSCO KY	2	3		
1410826	NBC-M12MSX/5,0-94C/R4AC WL	3	4		
1410827	NBC-M12MSX/2,0-94F/R4AC WL	1	2		
1410828	NBC-M12MSX/10,0-94F/R4AC WL	1	2		
1412915	NBC-MSX/10,27-94S/MSX SCO SR	0	1		
1412916	NBC-MSX/10,87-94S/MSX SCO SR	0	1		
1412917	NBC-MSX/11,87-94S/MSX SCO SR	0	1		
1412918	NBC-MSX/19,71-94S/MSX SCO SR	0	1		
1412919	NBC-MSX/23,21-94S/MSX SCO SR	0	1		

Item	Article Type	Hardware / Firmware		Item	Substitute item Type
		old	new		
1412920	NBC-MSX/24,21-94S/MSX SCO SR	0	1		
1415454	NBC-MSX/13,5-94S/GCMS SR11C	0	1		
1415459	NBC-MSX/10,0-94S/GCMS SR11E	0	1		
1415463	NBC-MSX/ 6,5-94S/GCMS SR11G	0	1		
1415464	NBC-MSX/17,5-94S/GCMS SR11H	0	1		
1415465	NBC-MSX/ 7,0-94S/GCMS SR31H	0	1		
1415469	NBC-MSX/ 9,0-94S/GCMS SR41A	0	1		
1415470	NBC-MSX/ 9,0-94S/GCMS SR41H	0	1		
1415476	NBC-MSX/ 10,0-94S/GCMS SR21E	0	1		
1415481	NBC-MSX/12,0-94S/GCMS SR41C	0	1		
1415484	NBC-MSX/ 4,5-94S/MSX SCO SR01B	0	1		
1415485	NBC-MSX/ 4,5-94S/MSX SCO SR01A	0	1		
1415489	NBC-MSX/10,0-94S/MSX SCO SR91C	0	1		
1415491	NBC-MSX/ 7,5-94S/MSX SCO SR91G	0	1		
1415492	NBC-MSX/ 9,0-94S/GCMS SR21B	0	1		
1415493	NBC-MSX/ 9,5-94S/GCMS SR21C	0	1		
1415494	NBC-MSX/16,5-94S/GCMS SR31C	0	1		
1415498	NBC-MSX/19,0-94S/MSX SCO SR61E	0	1		
1415499	NBC-MSX/ 9,5-94S/GCMS SR31E	0	1		
1415500	NBC-MSX/ 8,5-94S/GCMS SR31F	0	1		
1415501	NBC-MSX/17,5-94S/GCMS SR21F	0	1		
1415503	NBC-MSX/ 8,0-94S/GCMS SR31G	0	1		
1415504	NBC-MSX/16,5-94S/GCMS SR31H	0	1		
1415505	NBC-MSX/ 9,0-94S/GCMS SR21H	0	1		
1415506	NBC-MSX/ 9,0-94S/GCMS SR21A	0	1		
1415595	NBC-MSX/ 2,0-94S/MSX SCO RAIL	0	1		
1415598	NBC-MSX/ 5,0-94S/MSX SCO RAIL	0	1		
1415599	NBC-MSX/ 2,0-94S SCO RAIL	0	1		
1415600	NBC-MSX/ 5,0-94S SCO RAIL	0	1		
1415601	NBC-MSX/10,0-94S SCO RAIL	0	1		
1417413	NBC-M12MSX/10,0-94F/R4AC SCH	0	1		
1417441	NBC-MSX/ 0,5-94S/MSX SCO SR81E	0	1		
1417575	NBC-MSX/1,0-94S/MSX SCO	0	1		
1417577	NBC-MSX/2,0-94S/MSX SCO	0	1		
1417578	NBC-MSX/3,0-94S/MSX SCO	0	1		
1417792	NBC-M12MSX/0,6-94F/M12MSX D-VIT	0	1		
1417793	NBC-M12MSX/1,0-94F/M12MSX D-VIT	0	1		
1417794	NBC-M12MSX/2,0-94F/M12MSX D-VIT	0	1		
1417795	NBC-M12MSX/3,0-94F/M12MSX D-VIT	0	1		

Item	Article Type	Hardware / Firmware		Item	Substitute item Type
		old	new		
1417796	NBC-M12MSX/5,0-94F/M12MSX D-VIT	0	1		
1417797	NBC-M12MSX/10,0-94F/M12MSX D-VIT	0	1		
1417798	NBC-MSX/15,0-94F/MSX D-VIT	0	1		
1417800	NBC-MSX/20,0-94F/MSX D-VIT	0	1		
1417801	NBC-MSX/25,0-94F/MSX D-VIT	0	1		
1417802	NBC-M12MSX/15,0-94F D-VIT	0	1		
1417803	NBC-MSX/25,0-94F D-VIT	0	1		
1417804	NBC-MSX/5,0-94F/R4AC D-VIT	0	1		
1417805	NBC-MSX/10,0-94F/R4AC D-VIT	0	1		
1417806	NBC-MSX/15,0-94F/R4AC D-VIT	0	1		
1417807	NBC-MSX/25,0-94F/R4AC D-VIT	0	1		
1417813	NBC-M12MSX/ 2,8-94C/R4AC	0	1		
1418735	NBC-MSX/1,0-94S/R4AC SCO S-IM	0	1		
1418871	NBC-M12MSX/10,0-94C/R4AC	0	1		
1418872	NBC-M12MSX/ 7,5-94C/R4AC	0	1		
1419775	NBC-M12MSX/ 1,1-94F/M12MSX LUE	0	1		
1420613	NBC-MSX/10,86-94S/GCFS SR202	0	1		
1420616	NBC-MSX/12,16-94S/GCFS SR211	0	1		
1420628	NBC-MSX/13,56-94S/GCFS SR411	0	1		
1420635	NBC-MSX/10,06-94S/GCFS SR511	0	1		
1420636	NBC-MSX/10,05-94S/MSX SR512	0	1		
1420675	NBC-MSX/20,0-94F/R4AC D-VIT	0	1		
1421855	NBC-M12MSX/15,0-94F/R4AC	1	2		
1421856	NBC-M12MSX/15,0-94F/M12MSX	1	2		
1421857	NBC-M12MSX/20,0-94F/R4AC	1	2		
1421858	NBC-M12MSX/20,0-94F/M12MSX	1	2		
1422293	NBC-M12MSX/10,0-94D/R4AC	0	1		
1422294	NBC-M12MSX/ 5,0-94D/R4AC SCO	0	1		
1422301	NBC-MSX/13,75-94S/GCMS SR301	0	1		
1422303	NBC-MSX/ 1,7-94S/GCFS SR302	0	1		
1422304	NBC-MSX/ 3,1-94S/GCMS SR303	0	1		
1422305	NBC-MSX/ 1,7-94S/GCFS SR304	0	1		
1423175	NBC-M12MSX/ 2,0-94F/M12MSX SK	1	2		
1423223	NBC-M12MSX/ 5,0-94F/M12MSX SK	1	2		
1423448	NBC-M12MSX/ 1,4-94F/M12MSX LUE	0	1		
1423489	NBC-MSX/ 1,5-948/GCMS SR101	3	4		
1423490	NBC-MSX/ 1,5-948/GCMS SR102	3	4		
1423491	NBC-MSX/ 1,5-948/GCMS SR103	1	2		

Item	Article Type	Hardware / Firmware		Item	Substitute item Type
		old	new		
1423492	NBC-MSX/ 1,5-948/GCMS SR104	1	2		
1423493	NBC-MSX/ 1,5-948/GCMS SR105	1	2		
1423494	NBC-MSX/ 1,5-948/GCMS SR106	1	2		
1423495	NBC-MSX/ 2,0-948/GCMS SR107	3	4		
1423496	NBC-MSX/ 2,0-948/GCMS SR108	3	4		
1423497	NBC-MSX/ 3,5-948/GCMS SR202	4	5		
1423498	NBC-MSX/ 3,5-948/GCMS SR203	4	5		
1423499	NBC-MSX/ 3,5-948/GCMS SR204	3	4		
1423500	NBC-MSX/ 3,5-948/GCMS SR205	3	4		
1423501	NBC-MSX/ 3,5-948/GCMS SR206	1	2		
1423502	NBC-MSX/ 3,5-948/GCMS SR207	1	2		
1423503	NBC-MSX/ 3,5-948/GCMS SR208	1	2		
1423504	NBC-MSX/ 3,5-948/GCMS SR209	1	2		
1423505	NBC-MSX/ 3,5-948/GCMS SR210	1	2		
1423506	NBC-MSX/ 3,5-948/GCMS SR301	1	2		
1423508	NBC-MSX/ 3,5-948/GCMS SR302	1	2		
1423509	NBC-MSX/ 3,5-948/GCMS SR303	1	2		
1423515	NBC-MSX/ 5,5-948/MSX SR304	0	1		
1423516	NBC-MSX/ 5,5-948/MSX SR305	0	1		
1423517	NBC-MSX/ 5,5-948/MSX SR306	0	1		
1423518	NBC-MSX/ 6,0-948/MSX SR307	0	1		
1423519	NBC-MSX/ 6,0-948/MSX SR308	0	1		
1423520	NBC-MSX/ 6,0-948/MSX SR309	0	1		
1423521	NBC-MSX/ 7,0-948/MSX SR310	0	1		
1423522	NBC-MSX/ 8,0-948/MSX SR401	0	1		
1423523	NBC-MSX/ 8,0-948/MSX SR402	0	1		
1423524	NBC-MSX/ 8,2-948/MSX SR403	0	1		
1423525	NBC-MSX/ 8,2-948/MSX SR404	0	1		
1423526	NBC-MSX/ 8,5-948/MSX SR405	0	1		
1423527	NBC-MSX/ 8,5-948/MSX SR406	0	1		
1423528	NBC-MSX/ 8,5-948/MSX SR407	0	1		
1423529	NBC-MSX/ 8,5-948/MSX SR408	0	1		
1423530	NBC-MSX/ 8,5-948/MSX SR409	0	1		
1423531	NBC-MSX/ 8,5-948/MSX SR410	0	1		
1423532	NBC-MSX/ 8,5-948/MSX SR501	0	1		
1423533	NBC-MSX/ 8,5-948/MSX SR502	0	1		
1423534	NBC-MSX/ 8,5-948/MSX SR503	0	1		
1423535	NBC-MSX/ 8,5-948/MSX SR504	0	1		
1423536	NBC-MSX/ 8,5-948/MSX SR505	0	1		

Item	Article Type	Hardware / Firmware		Item	Substitute item Type
		old	new		
1423537	NBC-MSX/ 9,0-948/MSX SR506	0	1		
1423539	NBC-MSX/ 9,0-948/MSX SR507	0	1		
1423540	NBC-MSX/ 9,6-948/MSX SR508	0	1		
1423541	NBC-MSX/19,5-948/MSX SR509	0	1		
1423544	NBC-MSX/19,5-948/MSX SR510	0	1		
1423551	NBC-MSX/22,1-948/MSX SR511	0	1		
1423552	NBC-MSX/23,5-948/MSX SR512	0	1		
1423553	NBC-MSX/23,5-948/MSX SR601	0	1		
1423554	NBC-MSX/27,2-948/MSX SR602	0	1		
1423555	NBC-MSX/29,2-948/MSX SR603	0	1		
1423556	NBC-MSX/30,0-948/MSX SR604	0	1		
1423557	NBC-MSX/30,0-948/MSX SR605	0	1		
1423558	NBC-MSX/31,0-948/MSX SR606	0	1		
1423559	NBC-MSX/31,0-948/MSX SR607	0	1		
1423560	NBC-MSX/32,0-948/MSX SR608	0	1		
1423561	NBC-MSX/32,7-948/MSX SR609	0	1		
1423562	NBC-MSX/32,7-948/MSX SR610	0	1		
1423563	NBC-MSX/33,0-948/MSX SR611	0	1		
1423822	NBC-M12MSX/15,0-94F/M12FSX	0	1		
1424078	NBC-MSX/20,0-94C/R4AC SCO KY	1	2		
1424722	NBC-MSX/10,0-94F/MSX DE-PYC	0	1		
1424995	NBC-MSX/ 0,3-94S/MSX CH-GM	0	1		
1425327	NBC-MSX/ 0,4-94F/R4MC SCO SK	0	1		
1425621	NBC-MSX/3,5-94F/SACCF SX SK	0	1		
1426210	NBC-M12MSX/ 1,0-94F/M12FSA S-NX	0	1		
1426325	NBC-M12MSX/10,0-94C/R4AC WL	2	3		
1440465	VS-M12MSS-M12MSS-94F/ 0,5/10G	2	3		
1440478	VS-M12MSS-M12MSS-94F/ 1,0/10G	2	3		
1440481	VS-M12MSS-M12MSS-94F/ 2,0/10G	2	3		
1440494	VS-M12MSS-M12MSS-94F/ 5,0/10G	2	3		
1440504	VS-M12MSS-M12MSS-94F/10,0/10G	2	3		
1440517	VS-M12MSS-M12MSS-94F/15,0/10G	2	3		
1440520	VS-M12MSS-M12MSS-94F/20,0/10G	2	3		
1440533	VS-M12MSS-OE-94F/ 1,0/10G	2	3		
1440546	VS-M12MSS-OE-94F/ 2,0/10G	2	3		
1440559	VS-M12MSS-OE-94F/ 5,0/10G	2	3		
1440562	VS-M12MSS-OE-94F/10,0/10G	2	3		
1440575	VS-M12MSS-OE-94F/15,0/10G	2	3		
1440588	VS-M12MSS-OE-94F/20,0/10G	2	3		

Item	Article Type	Hardware / Firmware		Item	Substitute item Type
		old	new		
1440591	VS-M12MSS-IP20-94F/ 0,5/10G	2	3		
1440614	VS-M12MSS-IP20-94F/ 2,0/10G	3	4		
1440627	VS-M12MSS-IP20-94F/ 5,0/10G	3	4		
1440630	VS-M12MSS-IP20-94F/10,0/10G	3	4		
1440643	VS-M12MSS-IP20-94F/15,0/10G	2	3		
1440656	VS-M12MSS-IP20-94F/20,0/10G	2	3		