

Product change notification (PCN)

Title / short description	SACC with Screw Connection - Change to leadfree
Affected article category	Sensor/actuator cabling
Change category	Material, Form and appearance
Change number	CAF260072-00
Reason for PCN/PDN Revision	

Purpose/objective of the change

In compliance with global environmental regulations and to ensure future product availability, the copper alloy (brass) base material used for our M12 connector components is being transitioned to a completely lead-free alternative (< 0.1% Pb by weight). This proactive adjustment ensures long-term compliance independent of the declining RoHS Exemption 6c

Detailed description of the change

The change to lead-free material brings a different visual colour of the surface (see attached pictures). The material optimization has no impact on form, fit or function in general. Also no approvals or technical ratings of the products are changed. Backwards compatibility is fully guaranteed. Only one small optical change is made together with change to lead-free material: the knurling is now a bit more coarser for better manufacturability and better handling for assembly. No dimensions or toolings are changed beside. The change to lead-free ensures long-term compliance without RoHS exemptions. For optical differentiation the V/C level is increased.

Identifying characteristics

Increased V/C on packaging label

Start of Production (SOP)	-	Last Time Delivery (LTD)	-
Effective date (EOP)	2026-09-01	End of Service (EOSR)	-
End of Sales (EOS)	-		

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

- | | | |
|---|--|--|
| ☐ Software / Firmware Bugfix | ☒ Short-term delivery stop by supplier | ☐ Short-term recall by supplier |
| ☐ Force majeure | ☒ Product improvement with customer benefits | |
| ☐ Others | | |

Attachments

- CAF260072 SACC M12 Screw Connection (M12 8pos. + M12 SH 4pos. 5pos) - Leadfree.pdf
- Material_list.csv
- PCN-CAF260072-00_EN

Material list

Item no.	Item Type	Hardware old	Firmware new	Item no.	Substitute item Type
1513347	SACC-M12FS-8CON-PG9-M	04	05		
1513334	SACC-M12MS-8CON-PG9-M	04	05		
1410666	SACC-M12MS-8CON-PG11-M	04	05		
1410665	SACC-M12FS-8CON-PG11-M	01	02		
1511860	SACC-M12FS-8CON-PG 9-SH	05	06		
1511857	SACC-M12MS-8CON-PG 9-SH	05	06		
1002791	SACC-M12FS-8CON-PG 7-SH	01	02		
1694318	SACC-M12FS-5CON-PG 9-SH	04	05		
1521261	SACC-M12MSD-4CON-PG 9-SH	04	05		
1694266	SACC-M12MS-5CON-PG 9-SH	05	06		
1521258	SACC-M12MSD-4CON-PG 7-SH	04	05		
1430433	SACC-M12FR-5CON-PG 9-SH	02	03		
1693830	SACC-M12MS-4CON-PG 7-SH	04	05		
1693416	SACC-M12MS-5CON-PG 7-SH	05	06		
1501540	SACC-M12MS-4CON-PG 9-SH	04	05		
1515170	SACC-M12FS-4CON-PG 9-SH	04	05		
1430417	SACC-M12MRB-5CON-PG 9-SH	03	04		
1694295	SACC-M12FS-4CON-PG 7-SH	04	05		
1694305	SACC-M12FS-5CON-PG 7-SH	04	05		
1430420	SACC-M12FRB-5CON-PG 9-SH	02	03		
1694282	SACC-M12MR-5CON-PG 9-SH	04	05		
1693429	SACC-M12MR-5CON-PG 7-SH	04	05		
1694279	SACC-M12MR-4CON-PG 7-SH	03	04		

Product change notification – CAF260072 SACC M12 Screw Connection (M12 8pos. + M12 SH 4pos. 5pos)

Change to leadfree



Product change notification – CAF260072 SACC M12 Screw Connection (M12 8pos. + M12 SH 4pos. 5pos)

Change to leadfree

Change Description:

In compliance with global environmental regulations and to ensure future product availability, the copper alloy (brass) base material used for our M12 connector components is being transitioned to a completely lead-free alternative (< 0.1% Pb by weight). This proactive adjustment ensures long-term compliance independent of the declining RoHS Exemption 6c.

Impact on Product Specification:

- The material optimization has no impact on the form, fit, function, or technical ratings of the products.
- The electrical properties, mechanical robustness, and environmental protection classes remain fully certified
- Function: Backwards compatibility with all existing M12 components is fully guaranteed
- Approvals: Existing IP ratings (IP65/IP67) and industrial certifications are fully maintained
- V/C Level on bag is increased

Small optical differences:

- The knurling was chosen a bit coarser for better manufacturability and better handling for assembly
- The color of the connectors (surface) is more dull and darker (no more brass coating; not so shiny)

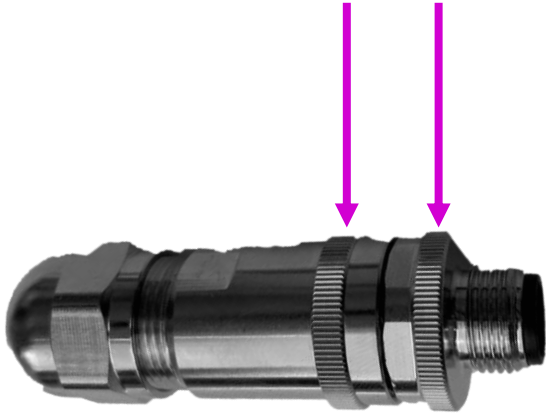
Product change notification – CAF260072 SACC M12 Screw Connection (M12 8pos. + M12 SH 4pos. 5pos)

Change to leadfree

Old:

Lead containing:

- Shiny coating
- Fine knurling



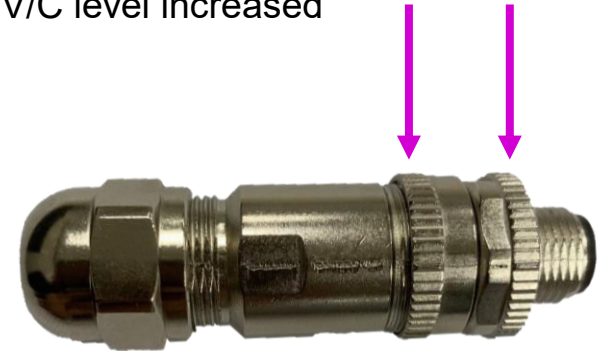
Affected products:

See article list (SACC M12 8-pos and M12 SH 4- / 5- pos)

New:

Leadfree:

- ensures long-term compliance
- RoHS without exceptions
- Other visual color surface
- More coarser knurling (better manufacturability and handling for assembly)
- V/C level increased



Phoenix Contact Art.Nr.;Phoenix Contact Art.Bez.;Bemerkung

1513347	HW/FW ne eCl@ss 13.0: 27440116
1513334	HW/FW ne eCl@ss 13.0: 27440116
1410666	HW/FW ne eCl@ss 13.0: 27440116
1410665	HW/FW ne eCl@ss 13.0: 27440116
1511860	HW/FW ne eCl@ss 13.0: 27440116
1511857	HW/FW ne eCl@ss 13.0: 27440116
1002791	HW/FW ne eCl@ss 13.0: 27440116
1694318	HW/FW ne eCl@ss 13.0: 27440116
1521261	HW/FW ne eCl@ss 13.0: 27440116
1694266	HW/FW ne eCl@ss 13.0: 27440116
1521258	HW/FW ne eCl@ss 13.0: 27440116
1430433	HW/FW ne eCl@ss 13.0: 27440116
1693830	HW/FW ne eCl@ss 13.0: 27440116
1693416	HW/FW ne eCl@ss 13.0: 27440116
1501540	HW/FW ne eCl@ss 13.0: 27440116
1515170	HW/FW ne eCl@ss 13.0: 27440116
1430417	HW/FW ne eCl@ss 13.0: 27440116
1694295	HW/FW ne eCl@ss 13.0: 27440116
1694305	HW/FW ne eCl@ss 13.0: 27440116
1430420	HW/FW ne eCl@ss 13.0: 27440116
1694282	HW/FW ne eCl@ss 13.0: 27440116
1693429	HW/FW ne eCl@ss 13.0: 27440116
1694279	HW/FW ne eCl@ss 13.0: 27440116

Kunde;	Name 1;	Name 2;	Name 3;	Name 4;	Straße;	PLZ;	Stadt;	Phoenix Contact Art.Nr.;	Phoenix Contact Art.Be
49786	;TI Inc.;;;	Ganghoferstraße 34;	82216;	Maisach;	1513347			;SACC-M12FS-8CON-PG9	
49786	;TI Inc.;;;	Ganghoferstraße 34;	82216;	Maisach;	1511860			;SACC-M12FS-8CON-PG 9	
49786	;TI Inc.;;;	Ganghoferstraße 34;	82216;	Maisach;	1511857			;SACC-M12MS-8CON-PG 1	
49786	;TI Inc.;;;	Ganghoferstraße 34;	82216;	Maisach;	1521261			;SACC-M12MSD-4CON-PC	
49786	;TI Inc.;;;	Ganghoferstraße 34;	82216;	Maisach;	1521258			;SACC-M12MSD-4CON-PC	
49786	;TI Inc.;;;	Ganghoferstraße 34;	82216;	Maisach;	1501540			;SACC-M12MS-4CON-PG 1	
49786	;TI Inc.;;;	Ganghoferstraße 34;	82216;	Maisach;	1515170			;SACC-M12FS-4CON-PG 9	
49786	;TI Inc.;;;	Ganghoferstraße 34;	82216;	Maisach;	1694295			;SACC-M12FS-4CON-PG 7	
49786	;TI Inc.;;;	Ganghoferstraße 34;	82216;	Maisach;	1694282			;SACC-M12MR-5CON-PG	

z.;Ihre Materialnr.;Menge 2024 ST;Menge 2025 ST;Menge 2026 ST;AE 2026 ST

Item no.;Type;old;new;Substitute item;Replacement product designation;eCl@ss 13.0;

1513347;SACC-M12FS-8CON-PG9-M;04;05;;;27440116;
1513334;SACC-M12MS-8CON-PG9-M;04;05;;;27440116;
1410666;SACC-M12MS-8CON-PG11-M;04;05;;;27440116;
1410665;SACC-M12FS-8CON-PG11-M;01;02;;;27440116;
1511860;SACC-M12FS-8CON-PG 9-SH;05;06;;;27440116;
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1694318;SACC-M12FS-5CON-PG 9-SH;04;05;;;27440116;
1521261;SACC-M12MSD-4CON-PG 9-SH;04;05;;;27440116;
1694266;SACC-M12MS-5CON-PG 9-SH;05;06;;;27440116;
1521258;SACC-M12MSD-4CON-PG 7-SH;04;05;;;27440116;
1430433;SACC-M12FR-5CON-PG 9-SH;02;03;;;27440116;
1693830;SACC-M12MS-4CON-PG 7-SH;04;05;;;27440116;
1693416;SACC-M12MS-5CON-PG 7-SH;05;06;;;27440116;
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1694282;SACC-M12MR-5CON-PG 9-SH;04;05;;;27440116;
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1694279;SACC-M12MR-4CON-PG 7-SH;03;04;;;27440116;