



Product Change Notification

TE Connectivity

Product Change Notification: P-22-022168

PCN Date: 15-FEB-22

TE would like to inform you of the following change(s) to the listed TE Connectivity Product. In case of any further questions about this change(s), please contact your TE Connectivity Sales Engineer. Affected part, drawing and/or specification numbers are listed on the attached sheet(s).

General Product Description:
MiniB 12V relays temporary change to 24V spring

Description of Changes
Dear customer, due to the COVID-19 epidemic, our K-75 copper band supplier has insufficient supply capacity therefore we are forced to produce the mentioned below PNs with alternative spring 8-1414774-5 (MiniB spring CuAg2 C011). The alternative spring is already validated and used for most 24V relays since many years. All the deliveries produced with this change will be recorded and identified to assure proper traceability in the future. In order to validate such temporary change, tests were performed which showed no performance change of the relay.
Other attachments:
[MiniB 12V-relay-with-24V-spring](#)

Reason for Changes: Part status change. In order to avoid production stoppage 24V spring PN: 8-1414774-5 (MiniB spring CuAg2 C011) will be used on 12V relays.	
Estimated Dates:	
Last Order Date (Obsolete Parts Only):	First Date To Ship (Changed Parts Only):
	18-FEB-2022
Last Ship Date (Obsolete Parts Only):	Last Date for Mixed Shipments: (Changed Parts Only):
	31-MAR-2022

Part Number(s) being Modified:

Part Number	Part Discontinued per PCN	Customer Drawing	Customer Part Number	Alias Part Number(s)	Substitute Part Number	Substitute Alias Part Number(s)	Description Of Difference
1-1904022-1	NO			"0 332 209 138"			
2-1904011-1	NO			"0 332 019 109"			
2-1904020-4	NO			"0 332 209 151"			
3-1904022-2	NO			"0 332 209 150"			

Part Number(s) being Modified:

Part Number	Part Discontinued per PCN	Customer Drawing	Customer Part Number	Alias Part Number(s)	Substitute Part Number	Substitute Alias Part Number(s)	Description Of Difference
1-1904022-1	NO			"0 332 209 138"			
2-1904011-1	NO			"0 332 019 109"			
2-1904020-4	NO			"0 332 209 151"			
3-1904022-2	NO			"0 332 209 150"			



MiniB 12V relay with 24V spring

EVERY CONNECTION COUNTS





Tests overview

The objective of this study was to test, whether the different material of the 24V spring compared to the 12V spring would have any influence on the spring relaxation behavior and on the relay function. Therefore, we chose a steady current at higher temperatures and an electrical endurance test with a capacitive load, which we consider the potentially most critical load.

Continuous current	Passed
Electrical life time – Capacitive test	Passed
Mechanical life test	Passed



Summary

- All samples with 24V spring passed all tests;
- The 24V spring on a 12V relay did not impact the relay on the performed tests;

As a temporary measure due to a material shortage, we foresee no risk on using this alternative 24V spring on 12V relays until CW12.

**ANY
CONNECTION
CAN CHANGE
THE WORLD**

EVERY CONNECTION COUNTS

