Product Change Notification

PCN number:	PCN-2023-02-K0004	**Date:** 24 February 2023
Title:	**New electronic board with CANopen interface**	
Description of the change:	KELLER has developed a new digital compensation electronics with CANopen interface for the X-Line. The new electronics offer an improved specification and are fully backwards compatible with the current KELLER communication protocols and KELLER software.	
Affected products:	The following KELLER series with CANopen interface are affected by the change: **Series 9LXc** **Series 23SXc** **Series 33Xc** **Series PD-33Xc** **Series PD-39Xc**	
Expected implementation:	28.02.2023	
Impact on customers:	The KELLER product number will change; Your KELLER sales engineer will inform you about the new product number when you place your next order. Detailed information can be found in the appendix.	
Customer response:	Not required	

Appendix PCN-2023-04-K0001 - Overview of changes

Overview - Product Number Changes

KELLER-Series	Current product number	New product number
9LXc	230905.xxxx	230970.xxxx
23SXc	232316.xxxx	232356.xxxx
33Xc	233335.xxxx	233345.xxxx
PD-33Xc	233340.xxxx	233365.xxxx
PD-39Xc	233915.xxxx	233945.xxxx

Electronic Boards Performance Comparison

	Current Board	**New Board**
Identification (Class.Group)	Class.Group: 5.22	Class.Group: 5.24
Power supply	8...32 VDC	8...32 VDC
Power consumption (without communication)	< 200 mW	< 200 mW
Overvoltage protection and reverse polarity protection	± 32 VDC	± 32 VDC
CANopen surge protection	± 24 VDC	± 32 VDC
GND-CASE insulation	> 10 MΩ @ 300 VDC	> 10 MΩ @ 300 VDC
Start-up time (power supply ON)	< 150 ms	< 250 ms
Internal measurement rate	> 1000 Hz	> 1800 Hz
Resolution (digital)	0,008 %FS	0,0005 %FS [1)]
Signal stability (digital noise-free)	0,01 %FS	0,0025 %FS [2)]
Dimension	28,73 x 16,8 x 1,0 mm	26,0 x 16,8 x 1,0 mm

[1)] Series 23SXc - Resolution (digital): 0,002%FS

[2)] Series 23SXc - Signal stability (digital noise-free): 0,01 %FS