

Würth Elektronik eiSos GmbH & Co. KG

EMC & Inductive Solutions

Max-Eyth-Straße 1 · 74638 Waldenburg · Germany

Tel. +49 (0) 79 42 945-0 · Fax +49 (0) 79 42 945-400

eiSos@we-online.de · www.we-online.de



Product / Process Change Notification (PCN)

- Major change
 Minor change

PCN #: PCN_DesignKit_DE_20210520

Affected Series: 760308EMP

PCN Date: May 19, 2021

Effective Date: May 20, 2021

Change Category:

- Equipment / Location
 General Data
 Material
 Process
 Product Design
 Shipping / Packaging
 Supplier
 Software

Contact: Product Management

Phone: +49 (0) 7942 - 945 5001

Fax: +49 (0) 7942 - 945 5179

E-Mail: Choose the correct mail address

Data Sheet Change:

- Yes No

Attachment:

- Yes No

DESCRIPTION AND PURPOSE OF CHANGE:

In order to enhance product reliability, Würth Elektronik released a new firmware for the 200 W Development Kit (order code 760308EMP).

All kits with date code after May 20th, 2021 will be affected by this change. For all kits produced earlier, it is highly recommended to update the firmware. The updated firmware can be downloaded at the Würth Elektronik website.

DETAIL OF CHANGE:

The following changes have been performed at the new firmware:

BEFORE	AFTER
start frequency = 175 kHz	start frequency = 205 kHz
red error led at Rx board lights if 28 V output voltage is exceeded	red error led at Rx board lights if 30 V output voltage is exceeded
no emergency shutdown implemented	shutdown if 32 V output voltage is exceeded
blue Tx LED is lighting permanently during data reception at the automatic mode	blue LED at Tx side is blinking when data is received by the Rx board at the automatic mode
5 bytes every 100 ms are sent from Rx to Tx for the regulation of the output voltage	4 bytes with 1000 bit/s are sent for the regulation of the output voltage
UART is used for data transmission	Differential bi-phase coding is used for data transmission

Würth Elektronik eiSos GmbH & Co. KG

EMC & Inductive Solutions

Max-Eyth-Straße 1 · 74638 Waldenburg · Germany

Tel. +49 (0) 79 42 945-0 · Fax +49 (0) 79 42 945-400

eiSos@we-online.de · www.we-online.de



RELIABILITY / QUALIFICATION SUMMARY:

Process / Product approval is according to internal requirements released by the Total Quality Department and the Product Management Department.