

Product Change Notification (PCN)

Product group:	SEMİKRON legacy products	Rev.:	0
No.:	PN24-114	Change of material numbers, new data formats and harmonization of product marking due to introduction of a new ERP system	15.11.2024

Dear valued partner,

Thank you for using Semikron Danfoss products. Within our continuous improvement activities we are working to enhance performance, quality and reliability of our products. This notification is to inform you of a relevant change. We would like to express our sincere appreciation for your cooperation regarding the following changes and want to assure you that Semikron Danfoss will work closely with you to support your requirements during this transition.

Please respond to this notification by indicating your decision on the below approval form, sign it and return it to your Semikron Danfoss sales partner before 15.12.2024.

Subject of change: Product related changes due to change of the ERP system

**SEMİKRON
product type:**

SEMİKRON legacy products:

- Rectifier Bridges
- Discretes Diodes & Thyristors
- MiniSKiiP
- Powerhybrids
- SEMIPACK
- SEMIPONT
- SEMISTART
- SEMITOP
- SEMITRANS
- SEMIX
- SKiM

Separate notification will follow for these products:

- SEMICELL
- SKAI
- SKYPER
- SKiiP
- Stacks
- eMPACK
- SKiN

Description of change:

Change overview:

- (1) Change of material number and name**
 - (1.1) Material number with leading zero
 - (1.2) Material number of variants
 - (1.3) Material name of variants
- (2) Change of date code format**
- (3) Change of batch number**
 - (3.1) Change of batch number format
 - (3.2) Batch number for variants
- (4) New product marking**
 - (4.1) Harmonized plain text content
 - (4.2) Additional DMX code
 - (4.3) Adjustment of DMX structure

(1) Change of material number and name

(1.1) Material number with leading zero

- Products with fully numeric material number starting with zero will get a new material number, which will be alphanumeric
- Cross reference of old/new material number is provided under following link
<https://erpchange.semikron-danfoss.com>
 (the web page availability is scheduled for CW 49)
- Example

current	new
MatNo. with leading zero numeric	New MatNo. alphanumeric
07891066	230B1518

- For further support please contact our sales organization

Description of change (continued):

(1.2) Material number of variants

- As there are no material variants possible in the new ERP system, each product variant will get a new material number
- The material number of such new part is a concatenation of the current material number and the variant code
- Description

current		new
MatNo.	Variant	MatNo.
xxxxxxxxV	Mzz	xxxxxxxxVMzz
xxxxxxxx	Mzz	xxxxxxxxMzz

- Examples

current		new
MatNo.	Variant	MatNo.
27897004V	M07	27897004VM07
07890630V	M06	07890630VM06
25231470	M25	25231470M25

(1.3) Material name of variants

- Along with the change of the material number for product variants (1.2), also the material name will be changed
- The material name of the new part is a concatenation of the current material name and dash (-) and the variant code
- Description:

current		new	
Material name	Variant	Material name	Variant
xxxxxx	Mzz	xxxxxx-Mzz	n.a.

- Examples:

current		new
Material name	Variant	Material name
SEMiX453GB12E4Ip	M07	SEMiX453GB12E4Ip-M07
SKKH 215/16 E	M06	SKKH 215/16 E-M06
SKiiP 35NAB12T4V1	M25	SKiiP 35NAB12T4V1-M25

Description of change (continued):

(2) Change of date code format

- Actual date code consists of production start date and lot number.
- The new date code will only consist of production start date. The information about the production lot will be provided by the batch number only (s. (3)).

current	new
Date code start of production, 5 digits, alphanumeric	Date code start of production, 4 digits, numeric
YYWWL YY – year WW- calendar week L – consecutive lot number	YYWW YY – year WW – calendar week

(3) Change of batch number

(3.1) Batch number format

- Currently, the length of the batch number as well as the format vary for different products and different production sites. In most cases the batch number also provides information about the year of production start and the production site.
- With the new ERP system, a new batch number policy will be implemented. The batch number length will be fixed to 10 digits and will not contain the production site and production year.
- Example:

current	new
Batch number 8 to 16 digits alphanumeric	Batch number 10 digits alphanumeric
2211SK00064205	1234567890

- The information about the start of the production and the production site will be provided by the date code and the site identifier, respectively (s. (2) and (4.1)).

**Description
of change (continued)**

(3.2) Batch number for variants

- Currently products with additional services (variants), such as pre-applied thermal interface materials, are delivered with the same batch numbers as the base products.
- With the new ERP system, variants will be considered individual products and produced with their own batch number. As a consequence, the batch number of the product with additional service will differ from the batch number marked on the base product.
- The new rules for batch numbering will apply, cf. (3.1).

Example:

current		new	
Batch No. base	Batch No. variant	Batch No. base	Batch No. base + service
DE234000	DE234000	1122334455	5432198760

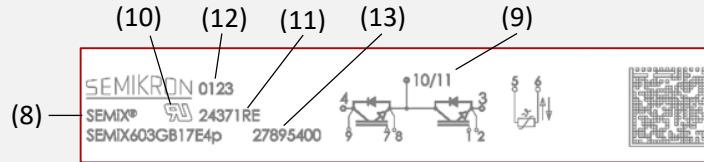
(4) New product marking

(4.1) Harmonized plain text content

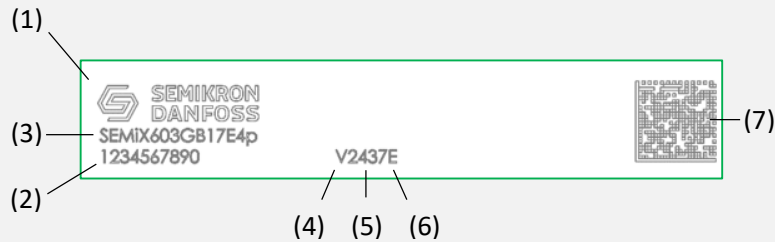
- Currently, different product markings are used for different product types.
- With the change of the company name and changes triggered by the new ERP system, a harmonization of the product marking will take place for the product lines addressed by this PCN.
- The labels of all affected products will contain following information:
 - (1) company name (updated to Semikron Danfoss)
 - (2) batch number
 - (3) product name
 - (4) production site identifier (updated/new for some factories)
 - (5) date code
 - (6) product status in case of non-serial product
 - (7) DMX code
- Following contents will be removed from the product label
 - (8) product line name
 - (9) circuit
 - (10) UL recognized mark
 - (11) part number (further available in DMX)
 - (12) serial number for traceability within a batch (further available in DMX)
 - (13) character 'R' behind the date code (indicating RoHS conformity)

Description of change (continued):

Example of current product marking (marked content will be removed):



Example of new product marking:



- Exemptions from this rule apply for parts with already limited marking content (discrete parts and some power bridges)
- Extensions to the general content of the product marking are possible (e.g. marking of V_{CE} classification)
- For more details, supporting documentation will be available in CW51/2024

(4.2) Additional DMX

- As consequence of the product marking harmonization, a DMX code will be added to the marking of following products:
 - SEMIPONT 2 (53 digits)
 - PowerBridge G55 (26 digits)

Description of change (continued):

(4.3) Adjustment of DMX structure

- There will be following adjustments of the DMX structure
 - additional production site identifier (pos. 11)
- Structure of the 53 digit date code:
(used in SEMIPACK, SEMITRANS, SEMiX, SEMIPONT, MiniSKiIP, SKiM)

Current DMX (53 digits)			New DMX (53 digits)		
Pos.	# of digits	Content	Pos.	# of digits	Content
1	16	Part name	1	16	Part name
2	1	Blank	2	1	blank
3	10	Part number	3	10	Part number + 2 blanks
4	12	Production tracking number	4	12	Batch number + 2 blanks
5	1	Blank	5	1	blank
6	1	Measurement #	6	1	Measurement #
7	1	Line identifier	7	1	Line identifier
8	1	Blank	8	1	blank
9	4	Serial number	9	4	Serial number
10	1	Blank	10	1	Blank
11	5	Date code	11	1	Production Site identifier
			12	4	Date code

Example DMX content (current):

SKM75GB176DH18 22890853 211SK0064205 3C 1834 22210

Example DMX content (new):

SKM75GB176DH18 22890853 1234567890 3C 1834 V2221

- The structure of the 26-digit DMX date code remains unchanged (used for SEMITOP)

Reason for change: Introduction of a new ERP system

Impact of change: Content and format of product marking, new part numbers

Identification of change: Changes will be in place for parts produced after introduction of the new ERP system (see Go Live date below).

Transition period

- Already placed orders for parts with new part numbers will be automatically updated.
- Items produced before Go Live date and dispatched after
 - product marking will be unchanged (e.g. old material number and marking)
 - package labelling will be according to the new rules (e.g. new material number, new lot number)
 - date code on the packaging will be empty

Time schedule for change: Change over to new ERP system scheduled for 03.03.2025 (Go Live date)

Last Time order date: n.a.

Last time delivery date: n.a.

Qualification: n.a.

Supporting documentation:

- Cross reference of old/new part number via following web page: <https://erpchange.semikron-danfoss.com> (the web page availability is scheduled for CW 49)
- Presentation of new product marking for affected products (available by CW51/2024)

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- **Please respond to this notification by returning the attached customer approval form to your local sales partner.**
- **According to the standard J-STD-046 no response to this notification within 30 days after receipt constitutes acceptance of the change.**

Products Affected:

The following table shows which product line is affected by which change:

Change No.	(1.1)	(1.2)	(1.3)	(2)	(3.1)	(3.2)	(4.1)	(4.2)	(4.3)
Product line:									
Rectifier bridges	X				X			X*	
Discretes Dio. & Thy.	X				X				
MiniSKiiP		X	X	X	X	X	X		X
Powerhybrids	X			X	X				
SEMI PACK	X	X	X	X	X	X	X		X
SEMIPONT	X			X	X		X	X**	X
SEMISTART	X			X	X		X		X
SEMITOP		X	X	X	X	X	X		
SEMITRANS		X	X	X	X	X	X		X
SEMiX		X	X	X	X	X	X		X
SKiM		X	X	X	X	X	X		X

List of changes:

- (1) Change of material numbers and names
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* only G55 package

** only SEMIPONT 2

Customer Approval Form for PN24-114 Rev. 0

Please check the appropriate box below:

We agree with this proposed change and its schedule.

We have objections:

Billing address:

Company:

Name:

Address:

Signature:

Date:

Customer
No.:

Supplier No. :

Signature/approval authority different from billing address?

Yes

Company:

Name:

Address:

Signature:

Date:

Please return to your local Semikron Danfoss sales contact:

Name:

Phone:

E-mail:

Fax: