

Product Change Notification (PCN)



N° LFPCN240322

Date: March 22nd, 2024

Subject: *PCN for PWS-D, PWS-E, PWS-D Flat, PWS-E Flat, Eco-Pac 1, Eco-Pac 2 and FO-B. Change of label format (Refer to the list of affected parts in ANNEX5)*

Dear Valued Customer,

Littelfuse would like to notify you about the change of delivery labels for the list of part numbers listed in (ANNEX 5 – list of affected part numbers), concerning Littelfuse products in PWS-D, PWS-E, PWS-D Flat, PWS-E Flat, Eco-Pac 1, Eco-Pac 2 and FO-B package.

One of our assembly houses moving to SAP ERP is aligning its products labeling types with other existing LF assembly locations for smoother Operations & Supply chain management.

Details of labelling change by type of package are displayed in Annexes 2 to 4.
Refer to the list of part number to determine the changes relevant to the products you are using.

The change of label will be effective beginning from March 20th. Timeline details of labeling change is showed in Annex1 (Timeline).

Thank you very much.
Best Regards,

Mirko Vogelmann
Product Manager
Medium Power Modules
mvogelmann@littelfuse.com

Contact Information:	Contact your local Littelfuse Sales Partner or Mirko Vogelmann
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SUBJECT OF CHANGE:	PWS-D, PWS-E, PWS-D Flat, PWS-E Flat, Eco-Pac 1, Eco-Pac 2 and FO-B Change of module label to implement: - 2D matrix with 49 digits (moving from 36 to 49 characters) where possible - Littelfuse-IXYS logo
PRODUCTS AFFECTED:	See page 5 (ANNEX5)
REASON OF CHANGE:	Aligning product labeling types with other existing LF assembly locations for smoother operation and supply chain management

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ANNEX1: Timeline

	PWS-D, PWS-E	PWS-D Flat, PWS-E Flat	Eco-Pac 1, Eco-Pac 2, FO-B
New Ixys-Littelfuse logo	March 20th	End of May	End of June
2D matrix with 49 characters	March 20th	March 20th	March 20th
2D matrix printed on the module label	March 20th	Feasibility to be confirmed	Non Applicable
2D matrix printed on the inner box label	March 20th	March 20th	March 20th
Master box label	Unchanged	Unchanged	Unchanged

ANNEX2: Eco-Pac 1, Eco-Pac 2, FO-B

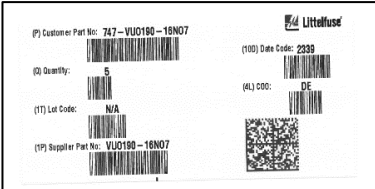
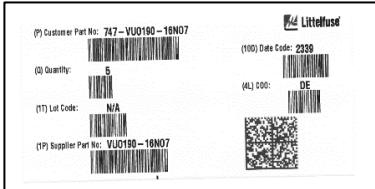
DESCRIPTION OF CHANGE:	CURRENT LABELLING	NEW LABELLING	GAP																								
■ Marking (on parts)																											
• Labelling			Company Logo																								
• Company Logo	IXYS Logo 	Littelfuse IXYS Logo 	Company Logo effective end of June																								
■ Labelling (on packing)																											
• Inner Box			No change																								
• Master/Outer Box			No change																								
• 2D Matrix	36 characters <table><tr><td>1st to 19th digit</td><td>Official product part number</td></tr><tr><td>20th to 23rd digit</td><td>Date Code (YYWW)</td></tr><tr><td>24th to 25th digit</td><td>Assembly line</td></tr><tr><td>26th to 31st digit</td><td>Lot number</td></tr><tr><td>32nd digit</td><td>Split lot / extra digit for future reference</td></tr><tr><td>33rd to 36th digit</td><td>Individual module number within one lot</td></tr></table>	1st to 19th digit	Official product part number	20th to 23rd digit	Date Code (YYWW)	24th to 25th digit	Assembly line	26th to 31st digit	Lot number	32nd digit	Split lot / extra digit for future reference	33rd to 36th digit	Individual module number within one lot	49 characters <table><tr><td>1st to 25th digit</td><td>Official product part number</td></tr><tr><td>26th to 31st digit</td><td>Date code (YYWW)</td></tr><tr><td>32nd to 33rd digit</td><td>Assembly Line</td></tr><tr><td>34th to 43rd digit</td><td>Lot Number</td></tr><tr><td>44th digit</td><td>Extra digit for future reference</td></tr><tr><td>45th to 49th digit</td><td>Individual Module number within one lot</td></tr></table>	1st to 25th digit	Official product part number	26th to 31st digit	Date code (YYWW)	32nd to 33rd digit	Assembly Line	34th to 43rd digit	Lot Number	44th digit	Extra digit for future reference	45th to 49th digit	Individual Module number within one lot	2D matrix digits moving from 36 to 49 characters
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45th to 49th digit	Individual Module number within one lot																										

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ANNEX3: PWS-D, PWS-E

DESCRIPTION OF CHANGE:	CURRENT LABELLING	NEW LABELLING	GAP																								
■ Marking (on parts)																											
• Labelling			2D matrix added Company Logo																								
• Company Logo	IXYS Logo 	Littelfuse IXYS Logo 	Company Logo effective March 20 th																								
• 2D Matrix	36 characters <table border="1" data-bbox="512 835 887 967"><tr><td>1st to 19th digit</td><td>Official product part number</td></tr><tr><td>20th to 23rd digit</td><td>Date Code (YYWW)</td></tr><tr><td>24th to 25th digit</td><td>Assembly line</td></tr><tr><td>26th to 31st digit</td><td>Lot number</td></tr><tr><td>32nd digit</td><td>Split lot / extra digit for future reference</td></tr><tr><td>33rd to 36th digit</td><td>Individual module number within one lot</td></tr></table>	1st to 19th digit	Official product part number	20th to 23rd digit	Date Code (YYWW)	24th to 25th digit	Assembly line	26th to 31st digit	Lot number	32nd digit	Split lot / extra digit for future reference	33rd to 36th digit	Individual module number within one lot	49 characters <table border="1" data-bbox="911 828 1276 960"><tr><td>1st to 25th digit</td><td>Official product part number</td></tr><tr><td>26th to 31st digit</td><td>Date code (YYWW)</td></tr><tr><td>32nd to 33rd digit</td><td>Assembly Line</td></tr><tr><td>34th to 43rd digit</td><td>Lot Number</td></tr><tr><td>44th digit</td><td>Extra digit for future reference</td></tr><tr><td>45th to 49th digit</td><td>Individual Module number within one lot</td></tr></table>	1st to 25th digit	Official product part number	26th to 31st digit	Date code (YYWW)	32nd to 33rd digit	Assembly Line	34th to 43rd digit	Lot Number	44th digit	Extra digit for future reference	45th to 49th digit	Individual Module number within one lot	2D matrix digits moving from 36 to 49 characters
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45th to 49th digit	Individual Module number within one lot																										
■ Labelling (on packing)																											
• Inner Box			No change																								
• Master/Outer Box			No change																								

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ANNEX4: PWS-D Flat, PWS-E Flat

DESCRIPTION OF CHANGE:	CURRENT LABELLING	NEW LABELLING	GAP																								
■ Marking (on parts)																											
• Labelling			2D matrix added *feasibility to be confirmed end of May Company Logo																								
• Company Logo	IXYS Logo 	Littelfuse IXYS Logo 	Company Logo effective end of May																								
• 2D Matrix	36 characters <table><tr><td>1st to 19th digit</td><td>Official product part number</td></tr><tr><td>20th to 23rd digit</td><td>Date Code (YYWW)</td></tr><tr><td>24th to 25th digit</td><td>Assembly line</td></tr><tr><td>26th to 31st digit</td><td>Lot number</td></tr><tr><td>32nd digit</td><td>Split lot / extra digit for future reference</td></tr><tr><td>33rd to 36th digit</td><td>Individual module number within one lot</td></tr></table>	1st to 19th digit	Official product part number	20th to 23rd digit	Date Code (YYWW)	24th to 25th digit	Assembly line	26th to 31st digit	Lot number	32nd digit	Split lot / extra digit for future reference	33rd to 36th digit	Individual module number within one lot	49 characters <table><tr><td>1st to 25th digit</td><td>Official product part number</td></tr><tr><td>26th to 31st digit</td><td>Date code (YYWW)</td></tr><tr><td>32nd to 33rd digit</td><td>Assembly Line</td></tr><tr><td>34th to 43rd digit</td><td>Lot Number</td></tr><tr><td>44th digit</td><td>Extra digit for future reference</td></tr><tr><td>45th to 49th digit</td><td>Individual Module number within one lot</td></tr></table>	1st to 25th digit	Official product part number	26th to 31st digit	Date code (YYWW)	32nd to 33rd digit	Assembly Line	34th to 43rd digit	Lot Number	44th digit	Extra digit for future reference	45th to 49th digit	Individual Module number within one lot	2D matrix digits moving from 36 to 49 characters
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■ Labelling (on packing)																											
• Inner Box			No change																								
• Master/Outer Box			No change																								

ASSESSMENT:

- No influence in terms fit, form and function.
- No part number change.
- Data sheets remain unchanged.
- LF Qualification report available upon request.

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ANNEX5: LIST OF AFFECTED POWER MODULES (See Note below):

The following part numbers are affected by the change of label. Sorted by package type then alphabetical PN order.

Packages included: PWS-D, PWS-E, PWS-D Flat, PWS-E Flat, Eco-Pac 1, Eco-Pac 2 and FO-B

	SAP Material	Description	Package	Details
1	DSEI2X101-06P	Bipolar Module - Diode ECO-PAC2	ECO-PAC2	Annex2
2	DSEI2X101-12P	Bipolar Module - Diode ECO-PAC2	ECO-PAC2	Annex2
3	DSEI2X161-02P	Bipolar Module - Diode ECO-PAC2	ECO-PAC2	Annex2
4	DSEI2X161-06P	Bipolar Module - Diode ECO-PAC2	ECO-PAC2	Annex2
5	DSEI2X161-12P	Bipolar Module - Diode ECO-PAC2	ECO-PAC2	Annex2
6	DSEI2X61-06P	Bipolar Module - Diode ECO-PAC1	ECO-PAC1	Annex2
7	DSEI2X61-12P	Bipolar Module - Diode ECO-PAC1	ECO-PAC1	Annex2
8	MMO110-12IO7	Bipolar Module - Thyristor ECO-PAC1	ECO-PAC1	Annex2
9	MMO110-14IO7	Bipolar Module - Thyristor ECO-PAC1	ECO-PAC1	Annex2
10	MMO140-12IO7	Bipolar Module - Thyristor ECO-PAC1	ECO-PAC1	Annex2
11	MMO140-16IO7	Bipolar Module - Thyristor ECO-PAC1	ECO-PAC1	Annex2
12	MMO175-12IO7	Bipolar Module - Thyristor ECO-PAC1	ECO-PAC1	Annex2
13	MMO175-16IO7	Bipolar Module - Thyristor ECO-PAC1	ECO-PAC1	Annex2
14	MMO230-12IO7	Bipolar Module - Thyristor ECO-PAC2	ECO-PAC2	Annex2
15	MMO230-16IO7	Bipolar Module - Thyristor ECO-PAC2	ECO-PAC2	Annex2
16	VBE100-06NO7	Bipolar Module - Diode ECO-PAC2	ECO-PAC2	Annex2
17	VBE100-12NO7	Bipolar Module - Diode ECO-PAC2	ECO-PAC2	Annex2
18	VBE17-06NO7	Bipolar Module - Diode ECO-PAC1	ECO-PAC1	Annex2
19	VBE17-12NO7	Bipolar Module - Diode ECO-PAC1	ECO-PAC1	Annex2
20	VBE26-06NO7	Bipolar Module - Diode ECO-PAC1	ECO-PAC1	Annex2
21	VBE26-12NO7	Bipolar Module - Diode ECO-PAC1	ECO-PAC1	Annex2
22	VBE55-06NO7	Bipolar Module - Diode ECO-PAC1	ECO-PAC1	Annex2
23	VBE55-12NO7	Bipolar Module - Diode ECO-PAC1	ECO-PAC1	Annex2
24	VBO130-08NO7	Bipolar Module - Diode PWS-E	PWS-E	Annex3
25	VBO130-12NO7	Bipolar Module - Diode PWS-E	PWS-E	Annex3
26	VBO130-16NO7	Bipolar Module - Diode PWS-E	PWS-E	Annex3
27	VBO130-18NO7	Bipolar Module - Diode PWS-E	PWS-E	Annex3
28	VBO160-08NO7	Bipolar Module - Diode PWS-E	PWS-E	Annex3
29	VBO160-12NO7	Bipolar Module - Diode PWS-E	PWS-E	Annex3
30	VBO160-16NO7	Bipolar Module - Diode PWS-E	PWS-E	Annex3
31	VBO160-18NO7	Bipolar Module - Diode PWS-E	PWS-E	Annex3
32	VBO21-08NO7	Bipolar Module - Diode ECO-PAC1	ECO-PAC1	Annex2
33	VBO21-12NO7	Bipolar Module - Diode ECO-PAC1	ECO-PAC1	Annex2
34	VBO22-08NO8	Bipolar Module - Diode FO-B	FO-B	Annex2
35	VBO22-12NO8	Bipolar Module - Diode FO-B	FO-B	Annex2

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	SAP Material	Description	Package	Details
36	VBO22-16NO8	Bipolar Module - Diode FO-B	FO-B	Annex2
37	VBO22-18NO8	Bipolar Module - Diode FO-B	FO-B	Annex2
38	VBO36-08NO8	Bipolar Module - Diode FO-B	FO-B	Annex2
39	VBO36-12NO8	Bipolar Module - Diode FO-B	FO-B	Annex2
40	VBO36-16NO8	Bipolar Module - Diode FO-B	FO-B	Annex2
41	VBO36-18NO8	Bipolar Module - Diode FO-B	FO-B	Annex2
42	VBO52-08NO7	Bipolar Module - Diode PWS-D	PWS-D	Annex3
43	VBO52-12NO7	Bipolar Module - Diode PWS-D	PWS-D	Annex3
44	VBO52-16NO7	Bipolar Module - Diode PWS-D	PWS-D	Annex3
45	VBO52-18NO7	Bipolar Module - Diode PWS-D	PWS-D	Annex3
46	VBO54-08NO7	Bipolar Module - Diode ECO-PAC1	ECO-PAC1	Annex2
47	VBO54-12NO7	Bipolar Module - Diode ECO-PAC1	ECO-PAC1	Annex2
48	VBO54-16NO7	Bipolar Module - Diode ECO-PAC1	ECO-PAC1	Annex2
49	VBO68-08NO7	Bipolar Module - Diode ECO-PAC1	ECO-PAC1	Annex2
50	VBO68-12NO7	Bipolar Module - Diode ECO-PAC1	ECO-PAC1	Annex2
51	VBO68-16NO7	Bipolar Module - Diode ECO-PAC1	ECO-PAC1	Annex2
52	VBO72-08NO7	Bipolar Module - Diode PWS-D	PWS-D	Annex3
53	VBO72-12NO7	Bipolar Module - Diode PWS-D	PWS-D	Annex3
54	VBO72-16NO7	Bipolar Module - Diode PWS-D	PWS-D	Annex3
55	VBO72-18NO7	Bipolar Module - Diode PWS-D	PWS-D	Annex3
56	VBO78-08NO7	Bipolar Module - Diode ECO-PAC2	ECO-PAC2	Annex2
57	VBO78-12NO7	Bipolar Module - Diode ECO-PAC2	ECO-PAC2	Annex2
58	VBO78-16NO7	Bipolar Module - Diode ECO-PAC2	ECO-PAC2	Annex2
59	VBO88-08NO7	Bipolar Module - Diode ECO-PAC2	ECO-PAC2	Annex2
60	VBO88-12NO7	Bipolar Module - Diode ECO-PAC2	ECO-PAC2	Annex2
61	VBO88-16NO7	Bipolar Module - Diode ECO-PAC2	ECO-PAC2	Annex2
62	VCO132-12IO7	Bipolar Module - Thyristor ECO-PAC2	ECO-PAC2	Annex2
63	VCO132-16IO7	Bipolar Module - Thyristor ECO-PAC2	ECO-PAC2	Annex2
64	VCO180-12IO7	Bipolar Module - Thyristor ECO-PAC2	ECO-PAC2	Annex2
65	VCO180-16IO7	Bipolar Module - Thyristor ECO-PAC2	ECO-PAC2	Annex2
66	VGO36-16IO7	Bipolar Module-Thyristor/Diode ECO-PAC1	ECO-PAC1	Annex2
67	VHF25-08IO7	Bipolar Module-Thyristor/Diode ECO-PAC1	ECO-PAC1	Annex2
68	VHF25-12IO7	Bipolar Module-Thyristor/Diode ECO-PAC1	ECO-PAC1	Annex2
69	VTO39-08HO7	Bipolar Module-Thyristor/Diode ECO-PAC1	ECO-PAC1	Annex2
70	VTO39-12HO7	Bipolar Module-Thyristor/Diode ECO-PAC1	ECO-PAC1	Annex2
71	VUE130-06NO7	Bipolar Module-Bridge Rectifier ECO-PAC2	ECO-PAC2	Annex2
72	VUE130-12NO7	Bipolar Module-Bridge Rectifier ECO-PAC2	ECO-PAC2	Annex2
73	VUE22-06NO7	Bipolar Module-Bridge Rectifier ECO-PAC1	ECO-PAC1	Annex2
74	VUE22-12NO7	Bipolar Module-Bridge Rectifier ECO-PAC1	ECO-PAC1	Annex2
75	VUE35-06NO7	Bipolar Module-Bridge Rectifier ECO-PAC1	ECO-PAC1	Annex2

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	SAP Material	Description	Package	Details
76	VUE35-12NO7	Bipolar Module-Bridge Rectifier ECO-PAC1	ECO-PAC1	Annex2
77	VUE75-06NO7	Bipolar Module-Bridge Rectifier ECO-PAC1	ECO-PAC1	Annex2
78	VUE75-12NO7	Bipolar Module-Bridge Rectifier ECO-PAC1	ECO-PAC1	Annex2
79	VUO110-08NO7	BipolarModule-Bridge Rectifier PWS-E	PWS-E	Annex3
80	VUO110-12NO7	BipolarModule-Bridge Rectifier PWS-E	PWS-E	Annex3
81	VUO110-16NO7	BipolarModule-Bridge Rectifier PWS-E	PWS-E	Annex3
82	VUO110-18NO7	BipolarModule-Bridge Rectifier PWS-E	PWS-E	Annex3
83	VUO122-08NO7	Bipolar Module-Bridge Rectifier ECO-PAC2	ECO-PAC2	Annex2
84	VUO122-12NO7	Bipolar Module-Bridge Rectifier ECO-PAC2	ECO-PAC2	Annex2
85	VUO122-16NO7	Bipolar Module-Bridge Rectifier ECO-PAC2	ECO-PAC2	Annex2
86	VUO160-08NO7	BipolarModule-Bridge Rectifier PWS-E	PWS-E	Annex3
87	VUO160-12NO7	BipolarModule-Bridge Rectifier PWS-E	PWS-E	Annex3
88	VUO160-16NO7	BipolarModule-Bridge Rectifier PWS-E	PWS-E	Annex3
89	VUO160-18NO7	BipolarModule-Bridge Rectifier PWS-E	PWS-E	Annex3
90	VUO162-16NO7	BipolarModule-Bridge Rectifier PWS-E	PWS-E Flat	Annex4
91	VUO190-08NO7	BipolarModule-Bridge Rectifier PWS-E	PWS-E	Annex3
92	VUO190-12NO7	BipolarModule-Bridge Rectifier PWS-E	PWS-E	Annex3
93	VUO190-16NO7	BipolarModule-Bridge Rectifier PWS-E	PWS-E	Annex3
94	VUO190-18NO7	BipolarModule-Bridge Rectifier PWS-E	PWS-E	Annex3
95	VUO192-16NO7	BipolarModule-Bridge Rectifier PWS-E	PWS-E Flat	Annex4
96	VUO25-08NO8	Bipolar Module-Bridge Rectifier FO-B	FO-B	Annex2
97	VUO25-12NO8	Bipolar Module-Bridge Rectifier FO-B	FO-B	Annex2
98	VUO25-14NO8	Bipolar Module-Bridge Rectifier FO-B	FO-B	Annex2
99	VUO25-16NO8	Bipolar Module-Bridge Rectifier FO-B	FO-B	Annex2
100	VUO25-18NO8	Bipolar Module-Bridge Rectifier FO-B	FO-B	Annex2
101	VUO28-08NO7	Bipolar Module-Bridge Rectifier ECO-PAC1	ECO-PAC1	Annex2
102	VUO28-12NO7	Bipolar Module-Bridge Rectifier ECO-PAC1	ECO-PAC1	Annex2
103	VUO36-08NO8	Bipolar Module-Bridge Rectifier FO-B	FO-B	Annex2
104	VUO36-12NO8	Bipolar Module-Bridge Rectifier FO-B	FO-B	Annex2
105	VUO36-14NO8	Bipolar Module-Bridge Rectifier FO-B	FO-B	Annex2
106	VUO36-16NO8	Bipolar Module-Bridge Rectifier FO-B	FO-B	Annex2
107	VUO36-18NO8	Bipolar Module-Bridge Rectifier FO-B	FO-B	Annex2
108	VUO62-08NO7	BipolarModule-Bridge Rectifier PWS-D	PWS-D	Annex3
109	VUO62-12NO7	BipolarModule-Bridge Rectifier PWS-D	PWS-D	Annex3
110	VUO62-14NO7	BipolarModule-Bridge Rectifier PWS-D	PWS-D	Annex3
111	VUO62-16NO7	BipolarModule-Bridge Rectifier PWS-D	PWS-D	Annex3
112	VUO62-18NO7	BipolarModule-Bridge Rectifier PWS-D	PWS-D	Annex3
113	VUO64-16NO7	BipolarModule-Bridge Rectifier PWS-D	PWS-D Flat	Annex4
114	VUO68-08NO7	Bipolar Module-Bridge Rectifier ECO-PAC1	ECO-PAC1	Annex2
115	VUO68-12NO7	Bipolar Module-Bridge Rectifier ECO-PAC1	ECO-PAC1	Annex2

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	SAP Material	Description	Package	Details
116	VUO68-16NO7	Bipolar Module-Bridge Rectifier ECO-PAC1	ECO-PAC1	Annex2
117	VUO82-08NO7	BipolarModule-Bridge Rectifier PWS-D	PWS-D	Annex3
118	VUO82-12NO7	BipolarModule-Bridge Rectifier PWS-D	PWS-D	Annex3
119	VUO82-14NO7	BipolarModule-Bridge Rectifier PWS-D	PWS-D	Annex3
120	VUO82-16NO7	BipolarModule-Bridge Rectifier PWS-D	PWS-D	Annex3
121	VUO82-18NO7	BipolarModule-Bridge Rectifier PWS-D	PWS-D	Annex3
122	VUO84-16NO7	BipolarModule-Bridge Rectifier PWS-D	PWS-D Flat	Annex4
123	VUO86-08NO7	Bipolar Module-Bridge Rectifier ECO-PAC1	ECO-PAC1	Annex2
124	VUO86-12NO7	Bipolar Module-Bridge Rectifier ECO-PAC1	ECO-PAC1	Annex2
125	VUO86-16NO7	Bipolar Module-Bridge Rectifier ECO-PAC1	ECO-PAC1	Annex2
126	VUO98-08NO7	Bipolar Module-Bridge Rectifier ECO-PAC2	ECO-PAC2	Annex2
127	VUO98-12NO7	Bipolar Module-Bridge Rectifier ECO-PAC2	ECO-PAC2	Annex2
128	VUO98-16NO7	Bipolar Module-Bridge Rectifier ECO-PAC2	ECO-PAC2	Annex2
129	VVZ110-12IO7	BipolarModule-Thyristor/Diode PWS-E	PWS-E	Annex3
130	VVZ175-12IO7	BipolarModule-Thyristor/Diode PWS-E	PWS-E	Annex3
131	VVZ175-16IO7	BipolarModule-Thyristor/Diode PWS-E	PWS-E	Annex3
132	VVZ39-08HO7	Bipolar Module-Thyristor/Diode ECO-PAC1	ECO-PAC1	Annex2
133	VVZ39-12HO7	Bipolar Module-Thyristor/Diode ECO-PAC1	ECO-PAC1	Annex2
134	VWO35-08HO7	Bipolar Module - Thyristor ECO-PAC1	ECO-PAC1	Annex2
135	VWO35-12HO7	Bipolar Module - Thyristor ECO-PAC1	ECO-PAC1	Annex2

Customer Information: Forward-looking statements are intended to provide information about our expected future operations. These statements are not promises or guarantees, particularly with respect to any timelines provided in the schedule. All terms of delivery and rights to technical changes are subject to alteration by Littelfuse.