

Burton-on-the-Wolds, 29<sup>th</sup> October 2019

**Product Change Notification PCN\_BUR\_00138\_V7**

**Subject: Non-RoHS compliant UL fuses**

Dear Customer,

Following the release of PCN\_BUR\_00138\_V6 dated 4<sup>th</sup> October 2019, some changes have occurred related to Eaton's Bussmann series **FNM** UL fuses.

- The FNM-2 is no longer saleable in Europe

- The following FNM parts have been tested and are now saleable in Europe:

- FNM-1-10
- FNM-1-1-2
- FNM-1-4-10
- FNM-1-6-10

The FNM-1-8-10, FNM-35 and FNM-40 remain unsaleable in Europe.

You will find page 2, further information about ROHS Directive 2011/65/EU. We have updated the lists of parts no longer saleable pages 3 to 5.

Should you have any queries, please do not hesitate to contact myself or your local representative.

Yours sincerely,

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### What is the ROHS Directive 2011/65/EU (as amended by 2015/863)?

Any product considered an electrical or electronic equipment (EEE), as defined in the ROHS Directive 2011/65/EU (as amended by 2015/863), must not contain more than the maximum permitted concentrations of the ten substances below within the homogenous materials of the products.

1. Lead (Pb) 0.10%
2. Mercury (Hg) 0.10%
3. Cadmium (Cd) 0.01%
4. Hexavalent chromium (Cr6+) 0.10%
5. Polybrominated biphenyls (PBB) 0.10%
6. Polybrominated diphenyl ether (PBDE) 0.10%
7. Bis(2-ethylhexyl) phthalate (DEHP) 0.10%
8. Butyl benzyl phthalate (BBP) 0.10%
9. Dibutyl phthalate (DBP) 0.10%
10. Diisobutyl phthalate (DIBP) 0.10%

### When is the ROHS Directive 2011/65/EU (as amended by 2015/863) effective from?

From the 22<sup>nd</sup> July 2019.

### Which Eaton's Bussmann series fuses are affected by ROHS Directive 2011/65/EU?

Eaton's Bussmann series fuses designed specifically for the US market (UL approved fuses), which contain at least one of the ten substances above the maximum permitted concentrations, are affected and cannot be sold anymore in the European Community, EEA countries and several other countries.

### Are the affected Eaton's Bussmann series fuses still available for sale in and for the US market?

Yes as the ROHS directive is a European directive it doesn't affect Eaton's Bussmann series UL fuses sold in and for the US market. The labels on these specific fuses will be printed without CE marking.

## APPENDIX A – Parts no longer available for sale in Europe - Updated 29<sup>th</sup> October 2019

Part numbers	Part numbers	Part numbers	Part numbers	Part numbers	Part numbers
2487	AGU-1	BAF-7	CGL-2	FNA-1-4	FRN-R-35
1976-3	AGU-10	BAF-8	CGL-20	FNA-1-4-10	FRN-R-350
3NC1038-1	AGU-15	BAF-9	CGL-200	FNA-15	FRN-R-4
3NC1038-2	AGU-2	BBS-1	CGL-225	FNA-1-6-10	FRN-R-40
3NC1038-3	AGU-20	BBS-10	CGL-25	FNA-1-8	FRN-R-400
3NC1103-UNP	AGU-25	BBS-1-10	CGL-250	FNA-2	FRN-R-4-10
3NC1105-UNP	AGU-3	BBS-1-1-2	CGL-30	FNA-20	FRN-R-4-1-2
3NW4323-1HG	AGU-30	BBS-12	CGL-350	FNA-2-10	FRN-R-45
3NW4324-1HG	AGU-35	BBS-1-2	CGL-35BS	FNA-2-1-2	FRN-R-5
3NW4325-1HG	AGU-4	BBS-1-4	CGL-4	FNA-2-1-4	FRN-R-50
3NW4330-1HG	AGU-40	BBS-15	CGL-40	FNA-25	FRN-R-5-6-10
3NW4431-1HG	AGU-5	BBS-1-6-10	CGL-400	FNA-2-8-10	FRN-R-6
3NW4432-1HG	AGU-50	BBS-1-8-10	CGL-45	FNA-3	FRN-R-60
3NW4434-1HG	AGU-60	BBS-2	CGL-50	FNA-30	FRN-R-600
3NW4437-1HG	AGU-8	BBS-20	CGL-500	FNA-3-10	FRN-R-6-10
3NW4440-1HG	ALS-100	BBS-2-10	CGL-6	FNA-3-1-2	FRN-R-6-1-4
3NW4544-1HG	ALS-175	BBS-25	CGL-60	FNA-3-2-10	FRN-R-7
3NW4550-1HG	ALS-200B	BBS-3	CGL-600	FNA-3-4	FRN-R-70
3NW4554-1HG	ALS-225B	BBS-30	CGL-80	FNA-4	FRN-R-7-1-2
3NW4560-1HG	ALS-250B	BBS-3-4	DMM-B-44-100	FNA-4-10	FRN-R-75
3NW4665-1HG	ALS-300B	BBS-4	DRA-2	FNA-4-1-2	FRN-R-8
70A-1-1-3A	ALS-400B	BBS-4-10	ECSR35	FNA-5	FRN-R-80
70B-2A	ALS-450	BBS-5	F01A125V3A	FNA-5-6-10	FRN-R-8-10
70C-3A	ALS-500	BBS-6	F01A125V5A	FNA-6	FRN-R-85
70D-5A	ALS-550	BBS-6-10	F01A250V1-2AS	FNA-6-10	FRN-R-9
70G-1-2A	ALS-600	BBS-7	F02A250V6AS	FNA-6-1-4	FRN-R-90
70I-1A	ANN-10	BBS-8	F02B250V3A	FNA-7	FRS-R-1
70K-1-4A	ANN-100	BBS-8-10	F02B32V8AS	FNA-8	FRS-R-10
70L-6A	ANN-125	BCCMM603-3SQ	F03A125V20AS	FNA-8-10	FRS-R-100
70M-8A	ANN-150	BCF-10	F03A250V5A	FNA-9	FRS-R-10ID
70N-10A	ANN-175	BCF-20	F03B125V8AS	FNM-2	FRS-R-110
74C-5	ANN-200	BCF-5	F09A250V10A	FNM-1-8-10	FRS-R-1-10
80D-5	ANN-225	BK-70A-1-1-3A	F09A250V1A	FNM-35	FRS-R-1-1-2
80M-1-1-3	ANN-250	BK-70B-2A	F09A250V20A	FNM-40	FRS-R-1-1-4
ACF-20	ANN-275	BK-70C-3A	F09A250V30A	FRN-R-1	FRS-R-1-1-8
ACF-30	ANN-300	BK-70D-5A	F09A250V3A	FRN-R-10	FRS-R-12
ACF-40	ANN-325	BK-BBS-1	F09A250V6A	FRN-R-100	FRS-R-1-2
ACH-10	ANN-35	BK-BBS-2	F09B250V10A	FRN-R-110	FRS-R-125
ACH-15	ANN-350	BK-BBS-3	F09B250V1AS	FRN-R-1-10	FRS-R-12ID
ACH-20	ANN-40	BK-FHN20G	F09B250V2AS	FRN-R-1-1-2	FRS-R-1-4
ACH-30	ANN-400	BK-FHN55W	F10A250V5A	FRN-R-1-1-4	FRS-R-1-4-10
ACH-40	ANN-50	BK-HPD-R	F15A250V20AS	FRN-R-1-1-8	FRS-R-15
ACH-5	ANN-500	BK-HPF-EE	F15A250V3A	FRN-R-12	FRS-R-150
ACH-50	ANN-60	BK-HPF-RR	F15BR250V30A	FRN-R-1-2	FRS-R-15ID
ACH-60	ANN-600	BK-HPL-B	F60C500V2AS	FRN-R-125	FRS-R-1-6-10
ACK-100	ANN-700	BM6032PQ	F60C500V6A	FRN-R-1-4	FRS-R-17-1-2
ACK-120A	ANN-80	BM6033SQ	F60C500V6AS	FRN-R-1-4-10	FRS-R-175
ACK-140	ANN-800	BMM603-2C	F61C500V15A	FRN-R-15	FRS-R-1-8
ACK-15	ANN-90	BP-CDN25	F61C500V25A	FRN-R-150	FRS-R-1-8-10
ACK-150	ATF-15	BP-CDN30	F62C500V35A	FRN-R-1-6-10	FRS-R-2
ACK-175	BAF-1	BP-CDN60	F62C500V35AS	FRN-R-17-1-2	FRS-R-20
ACK-20	BAF-10	BP-FRN-R-60	F62C500V60A	FRN-R-175	FRS-R-200
ACK-200	BAF-1-1-2	BP-MB-15	FHL17G1	FRN-R-1-8-10	FRS-R-20ID
ACK-225	BAF-12	BPVM-1C	FHN20G	FRN-R-2	FRS-R-2-10
ACK-250	BAF-1-2	BPVM-1S	FHN23W	FRN-R-20	FRS-R-2-1-2
ACK-30	BAF-1-4	BPVM-2C	FHN26G1	FRN-R-200	FRS-R-2-1-4
ACK-300	BAF-15	BPVM-2S	FHN42W	FRN-R-2-10	FRS-R-225
ACK-40	BAF-1-8-10	CCSK-45	FHN55W	FRN-R-2-1-2	FRS-R-25
ACK-400	BAF-2	CDS45	FM01A125V1-16A	FRN-R-2-1-4	FRS-R-250
ACK-50	BAF-20	CDS60	FM01A125V1A	FRN-R-225	FRS-R-25ID
ACK-60	BAF-2-1-2	CFP-100	FM08A125V2-1-2A	FRN-R-25	FRS-R-2-8-10
ACK-70	BAF-25	CFP-30	FNA-1	FRN-R-250	FRS-R-3
ACK-80	BAF-3	CFP-60	FNA-10	FRN-R-2-8-10	FRS-R-30
ACL-100	BAF-30	CGL-1	FNA-1-10	FRN-R-3	FRS-R-300
ACL-50	BAF-4	CGL-10	FNA-1-1-2	FRN-R-30	FRS-R-30ID
AFS-60	BAF-5	CGL-100	FNA-1-1-4	FRN-R-300	FRS-R-3-10
AFX-150	BAF-6	CGL-125	FNA-1-1-8	FRN-R-3-10	FRS-R-3-1-2
AFX-200	BAF-6-10	CGL-15	FNA-12	FRN-R-3-1-2	FRS-R-3-2-10
AFX-80	BAF-6-1-4	CGL-175	FNA-1-2	FRN-R-3-2-10	FRS-R-35

Part no longer saleable in Europe

## APPENDIX A – Parts no longer available for sale in Europe - Updated 29<sup>th</sup> October 2019

Part numbers	Part numbers	Part numbers	Part numbers	Part numbers	Part numbers
FRS-R-350	HGC	KTN-R-225	KWS-R-300	LPN-RK-40SP	LPS-RK-9SP
FRS-R-35ID	HLQ-1-6-10	KTN-R-25	KWS-R-35	LPN-RK-4SP	MIC-1
FRS-R-4	HLQ-3-2-10	KTN-R-250	KWS-R-40	LPN-RK-50SP	MIC-10
FRS-R-40	HPF-C	KTN-R-3	KWS-R-5	LPN-RK-5SP	MIC-15
FRS-R-400	HPF-EE	KTN-R-30	KWS-R-50	LPN-RK-60SP	MIC-2
FRS-R-40ID	HPF-FF	KTN-R-300	KWS-R-6	LPN-RK-6-1-4SP	MIC-20
FRS-R-4-10	HPF-JJ	KTN-R-35	KWS-R-60	LPN-RK-6SP	MIC-25
FRS-R-4-1-2	HPF-L	KTN-R-350	LAR-H02	LPN-RK-70SP	MIC-3
FRS-R-45	HPF-RR	KTN-R-4	LAR-H03	LPN-RK-80SP	MIC-30
FRS-R-450	HPF-WT	KTN-R-40	LKN-10	LPN-RK-8SP	MIC-5
FRS-R-45ID	HPG-EE	KTN-R-400	LKN-100	LPN-RK-90SP	MIC-8
FRS-R-5	HPL-B	KTN-R-45	LKN-15	LPS-RK-100SPI	MIS-1
FRS-R-50	HPM-D	KTN-R-450	LKN-150	LPS-RK-10SP	MIS-10
FRS-R-500	HPN	KTN-R-5	LKN-20	LPS-RK-10SPI	MIS-2
FRS-R-50ID	HPV-DV-10A	KTN-R-50	LKN-200	LPS-RK-110SP	MSK-45
FRS-R-5-6-10	HPV-DV-12A	KTN-R-500	LKN-225	LPS-RK-1-1-2SP	NO-216-R
FRS-R-6	HPV-DV-15A	KTN-R-6	LKN-25	LPS-RK-1-1-4SP	NO-2621-R
FRS-R-60	HPV-DV-1A	KTN-R-60	LKN-250	LPS-RK-125SP	NO-263-R
FRS-R-600	HPV-DV-20A	KTN-R-600	LKN-3	LPS-RK-125SPI	NO-2641-R
FRS-R-60ID	HPV-DV-2-5A	KTN-R-70	LKN-30	LPS-RK-12SP	NO-2642
FRS-R-6-10	HPV-DV-2A	KTN-R-8	LKN-300	LPS-RK-1-2SP	NO-2661-R
FRS-R-6-1-4	HPV-DV-3-5A	KTN-R-80	LKN-35	LPS-RK-12SPI	NO-2662-R
FRS-R-6-1-4ID	HPV-DV-4A	KTN-R-90	LKN-350	LPS-RK-150SP	NO-2664-R
FRS-R-65	HPV-DV-5A	KTS-R-1	LKN-40	LPS-RK-150SPI	NO-616-R
FRS-R-6ID	HPV-DV-6A	KTS-R-10	LKN-400	LPS-RK-15SP	NO-626-R
FRS-R-7	HSK-80	KTS-R-100	LKN-5	LPS-RK-15SPI	NO-642-R
FRS-R-70	J-13	KTS-R-110	LKN-50	LPS-RK-17-1-2SP	NO-663-R
FRS-R-7-1-2	J-16	KTS-R-12	LKN-500	LPS-RK-17-1-2SPI	NON-1
FRS-R-7-1-2ID	J-21	KTS-R-125	LKN-6	LPS-RK-175SP	NON-10
FRS-R-75	J-26	KTS-R-15	LKN-60	LPS-RK-175SPI	NON-100
FRS-R-8	J-42	KTS-R-150	LKN-600	LPS-RK-1-8-10SP	NON-110
FRS-R-80	J60100-3COR	KTS-R-175	LKN-80	LPS-RK-1SP	NON-1-1-2
FRS-R-8-10	J60100-3CRQ	KTS-R-2	LKS-10	LPS-RK-200SP	NON-12
FRS-R-9	JM70100-1CR	KTS-R-20	LKS-100	LPS-RK-200SPI	NON-1-2
FRS-R-90	JM70100-2CR	KTS-R-200	LKS-125	LPS-RK-20SP	NON-125
GKB-10A	JM70100-3CR	KTS-R-225	LKS-15	LPS-RK-20SPI	NON-15
GMT-18-100A	JSK-36	KTS-R-25	LKS-20	LPS-RK-2-1-2SP	NON-150
GMT-65-100A	KAZ	KTS-R-250	LKS-200	LPS-RK-225SP	NON-1-6-10
GMT-A	KBJ-G-40	KTS-R-3	LKS-25	LPS-RK-250SP	NON-175
GV1G10	KCC	KTS-R-30	LKS-250	LPS-RK-25SP	NON-2
GV2G05	KCD	KTS-R-300	LKS-30	LPS-RK-25SPI	NON-20
GV2G345	KCY	KTS-R-35	LKS-300	LPS-RK-2-8-10SP	NON-200
GV2G345A46	KCZ	KTS-R-350	LKS-35	LPS-RK-2SP	NON-2-1-2
GVAE11	KDF	KTS-R-4	LKS-400	LPS-RK-300SP	NON-225
GVAE20	KDP	KTS-R-40	LKS-45	LPS-RK-30SP	NON-25
HBO-100	KEW	KTS-R-400	LKS-50	LPS-RK-30SPI	NON-250
HBO-125	KFM	KTS-R-45	LKS-60	LPS-RK-3-1-2SP	NON-3
HBO-150	KFT	KTS-R-450	LKS-600	LPS-RK-3-2-10SP	NON-30
HBO-30	KGJ-A-125	KTS-R-5	LKS-80	LPS-RK-350SP	NON-300
HBO-35	KGJ-E-125	KTS-R-50	LPN-RK-100SP	LPS-RK-350SPI	NON-3-4
HBO-70	KGJ-E-250	KTS-R-500	LPN-RK-10SP	LPS-RK-35SP	NON-35
HBO-75	KGS-100	KTS-R-6	LPN-RK-125SP	LPS-RK-3SP	NON-350
HBO-80	KGS-60	KTS-R-60	LPN-RK-12SP	LPS-RK-40SP	NON-4
HEC-AA	KGX-A-15	KTS-R-600	LPN-RK-1-2SP	LPS-RK-40SPI	NON-40
HEH-AD	KGX-A-30	KTS-R-70	LPN-RK-150SP	LPS-RK-450SP	NON-400
HEJ-AA	KPF	KTS-R-75	LPN-RK-15SP	LPS-RK-45SP	NON-45
HEJ-BB	KQV	KTS-R-8	LPN-RK-17-1-2SP	LPS-RK-4SP	NON-450
HEJ-CC	KTN-R-1	KTS-R-80	LPN-RK-175SP	LPS-RK-500SP	NON-5
HEJ-JJ	KTN-R-10	KTS-R-90	LPN-RK-1SP	LPS-RK-50SP	NON-50
HEJ-LL	KTN-R-100	KTS-S-20	LPN-RK-200SP	LPS-RK-5SP	NON-500
HET-AA	KTN-R-110	KTS-S-60	LPN-RK-20SP	LPS-RK-600SP	NON-6
HET-AW-RLC-A	KTN-R-12	KWS-R-10	LPN-RK-2-1-4SP	LPS-RK-60SP	NON-60
HET-AW-RLC-J	KTN-R-125	KWS-R-100	LPN-RK-25SP	LPS-RK-60SPI	NON-600
HET-JW-RLC-J	KTN-R-15	KWS-R-125	LPN-RK-2SP	LPS-RK-6SP	NON-6-1-4
HET-JW-RYC	KTN-R-150	KWS-R-15	LPN-RK-300SP	LPS-RK-70SP	NON-7
HEX-AA	KTN-R-175	KWS-R-175	LPN-RK-30SP	LPS-RK-7SP	NON-70
HEY-JJ	KTN-R-2	KWS-R-20	LPN-RK-3-10SP	LPS-RK-80SP	NON-8
HEZ-AW-RLC-A	KTN-R-20	KWS-R-25	LPN-RK-35SP	LPS-RK-8SP	NON-80
HEZ-AW-RYC	KTN-R-200	KWS-R-30	LPN-RK-3SP	LPS-RK-90SP	NON-9

## APPENDIX A – Parts no longer available for sale in Europe - Updated 29<sup>th</sup> October 2019

Part numbers	Part numbers	Part numbers
NON-90	S-10	ULR400
NOS-1	S-14	ULR600
NOS-10	S-15	W-1
NOS-100	S-20	W-10
NOS-110	S-25	W-1-2
NOS-12	S-2BS	W-3
NOS-125	S-30	W-5
NOS-15	S-3-2-10	W-6
NOS-150	S-6-1-4	
NOS-175	SA-4	
NOS-2	SFB1030-01	
NOS-20	SFB1030-02	
NOS-200	SFB1030-03	
NOS-225	SFB1060-02	
NOS-25	SFB1060-03	
NOS-250	SFR	
NOS-3	SL-15	
NOS-30	SRT-A-3-2-10	
NOS-300	SRU	
NOS-35	T-1	
NOS-350	T-10	
NOS-4	T-15	
NOS-40	T-1-6-10	
NOS-400	T-2	
NOS-45	T-20	
NOS-450	T-25	
NOS-5	T-30	
NOS-50	T-3-2-10	
NOS-500	T-6-1-4	
NOS-6	T-7	
NOS-60	T-8-10	
NOS-600	TCF17-1-2	
NOS-7	TL-15	
NOS-70	TL-20	
NOS-75	TL-25	
NOS-8	TL-30	
NOS-80	TPA-3	
NOS-90	TPA-5	
NPL-800	TPB-1000-E	
OPM-1038	TPB-1200-E	
OPM-1038C	TPB-1600-E	
OPM-1038RC	TPB-2000-E	
OPM-1038RSW	TPM-10	
OPM-1038RSWC	TPM-12	
OPM-1038SW	TPM-15	
OPM-1038SWC	TPM-20	
PON60	TPM-25	
REN-10	TPM-3	
REN-15	TPM-30	
REN-20	TPM-4	
REN-3	TPM-5	
REN-30	TPM-6	
REN-35	TPM-7	
REN-40	TPM-8	
REN-5	TPN-1	
REN-50	TPN-10	
REN-6	TPN-15	
REN-60	TPN-150	
RES-10	TPN-175	
RES-15	TPN-20	
RES-20	TPN-200	
RES-25	TPN-30	
RES-30	TPN-35	
RES-35	TPN-5	
RES-40	TPN-60	
RES-45	TPS-25V	
RES-6	UHJ-K	
RES-60	UHJ-W	
RK1SK-39	ULR100	
RK5SK-39	ULR200	