

September 25, 2015

Product change

New neon-free gas mixtures for low-voltage types of EPCOS surge arresters

Due to the strong increase in neon gas prices the low-voltage types (90 V) of EPCOS surge arresters will be filled with neon-free gas mixtures. Affected are the T2, T3, T8, T9, and EB series of arresters, which are produced in our plant in Johore Bahru, Malaysia.

Affected products

Type	Ordering Code
EB81-A90XSMD	B88069X7721T702
T21-A90X	B88069X3733B252
T21-A90XF1PH	B88069X1083B502
T21-A90XPH	B88069X3113B502
T23-A90X	B88069X8650B502
T30-A90X	B88069X3030C253
T30-A90XFSMD	B88069X3753T702
T30-A90XG	B88069X2430T702
T30-A90XSMD	B88069X8561T702
T31-A90X	B88069X2261B252
T33-A90X	B88069X2271B502
T35-A90XS	B88069X1803B502
T80-A90 X	B88069X8360C203
T80-A90X	B88069X8360T502
T80-A90XD	B88069X5631T502
T80-A90XSMDN	B88069X5930T502
T81-A90X	B88069X8440B202
T81-A90XF1	B88069X8301B202
T83-A90X	B88069X8300B502
T83-A90XF4	B88069X8350B502
T85-A90X	B88069X9041B502
T87-A90X	B88069X5870B502
T88-A90XSMDN	B88069X4451T302
T90-A90X	B88069X5470C253
T90-A90XFSMD	B88069X4051T902
T90-A90XG	B88069X5860T902
T90-A90XSMD	B88069X2331T902
T91-A90X	B88069X2653B252
T91-A90XPH2	B88069X3713T702
T93A-A90X1	B88069X9941B502

EPCOS AG · A TDK Group Company

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Chairman of the Supervisory Board: Dr. Werner Faber

Management Board: Joachim Zichlarz, Chairman · Joachim Thiele · Dr. Norbert Hess · Christian Block

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Surge Arresters

Internal / External

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September 25, 2015

The price increases for neon gas are a result of a significant shortage in the worldwide supply chain. Already, they have reached a level that is up to 30 times higher than just a few months ago. There are indications that these high prices will continue to increase even further. TDK is working intensively on developing neon-free arresters with minimal impact on our customers.

The arc and glow voltage of some types of the affected surge arresters, which are filled with neon-free gas mixtures, will increase slightly. The failsafe characteristic will change slightly. The data sheets with the respective failsafe curves will be updated. Other electrical and mechanical characteristics are unchanged. The type designations, ordering codes and delivery times likewise remain unchanged. The qualification was successfully performed according to internal green-light release guidelines.

Scheduled date of introduction: December 25, 2015

Samples are available on request.

The updated datasheets will be available on request.

Enclosure PCN (ID No. PPD14/T120)

Contact Wong Huan Chee, PPD AB PM, Johor Bahru

Customers are asked to address inquiries directly to their sales contacts.

Product / Process Change Notification

1. ID No.: PPD14/ T120		2. Date of announcement: Sept. 25, 2015	
3. Product / product group: T2/ T3/ T8/ T9/ EB surge arresters	Old ordering code: See annex	New ordering code:	Customer part number:
4. Description of change: Due to the strong increase in neon gas prices the low-voltage types (90 V) of EPCOS surge arresters will be filled with neon-free gas mixtures. Affected are the T2, T3, T8, T9, and EB series of arresters, which are produced in our plant in Johore Bahru, Malaysia.			
5. Effect on the product or for the customer (benefit, quality, specification, lead time): The arc and glow voltage of some types of the affected surge arresters, which are filled with neon-free gas mixtures, will increase slightly. The failsafe characteristic will change slightly. The data sheets with the respective failsafe curves will be updated. The higher arc voltage is an advantage for protection applications with DC voltage. Other electrical and mechanical characteristics are unchanged. The type designations, ordering codes and delivery times likewise remain unchanged.			
6. Quality assurance measures / risk assessment: The qualification is in accordance with our internal green-light quality procedure. The investigations for internal release showed no effects on the mechanical characteristics as a consequence of the change described in item 4. The established control plans will consequently not be changed. All quality assurance measures will be maintained. Samples are available on request.			
7. Scheduled date of change: December 25, 2015			
8. Estimated date of first delivery of changed product: December 25, 2015 If EPCOS does not receive notification to the contrary within a period of 10 weeks, EPCOS assumes that the customer agrees to the change. For an interim period we cannot rule out that old as well as new products will be shipped.			
Quality Management Name Markus Weiglhofer		Signature signed Weiglhofer	
Product Marketing Name Wong Huan Chee Tel. +607 3566 666 Email huanchee.wong@epcos.com		Signature signed Wong	
Customer feedback			
Customer acknowledgement		Signature	