

July 27, 2012

## Notification of changes

### Improved screws for screw terminal capacitors

The M5 and M6 screws of the EPCOS aluminum electrolytic capacitors with screw terminals are being improved (see table for changes) in order to permit higher tightening torques. This change affects all aluminum electrolytic capacitors with screw terminals produced in Szombathely, Hungary, for which the screws are supplied as standard. It does not apply to capacitors subject to special agreements regarding screws.

#### Affected products

Ordering code	Ordering code
B41456*	B43465*
B41458*	B43467*
B41465*	B43474*
B41550*	B43484*
B41554*	B43550*
B41560*	B43560*
B41570*	B43564*
B41580*	B43566*
B41754*	B43570*
B43406*	B43580*
B43407*	B43584*
B43454*	B43586*
B43455*	B43740*
B43456*	B43750*
B43457*	B43760*
B43458*	B43770*
B43464*	B43991U5828Q001

#### Changes

Description	Existing	New
Strength category	4.8	5.6
Screw type	Slotted cheese/pan head	Raised head, cross-slotted (Pozidriv type)
Thread length M5 screw	8 mm	10 mm
Thread length M6 screw	12 mm	Unchanged
Code number M5 screw	D 84-M5x8-4.8	DIN 7985 / ISO 7045-M5x10-5.6-Z
Code number M6 screw	D 85-M6x12-4.8	DIN 7985 / ISO 7045-M6x12-5.6-Z

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www.epcos.com

**Aluminum Electrolytic  
Capacitors**  
Internal / External

120727AL1e

July 27, 2012

During the transition period from November 15, 2012 to January 31, 2013, current stocks with the previous screws will first be depleted. After that, only capacitors with the new screws will be supplied. No mixed deliveries will be made.

**Enclosure** Notification of changes (PCN)

**Contact** Christian Kopecky, ALU PM, Munich

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



**Product / Process Change Notification  
Produkt-/ Prozess-Änderungsmitteilung**

<b>1. ID No. / ID-Nr.:</b> 2012_06		<b>2. Date of announcement / Datum der Ankündigung:</b> July 27, 2012																																					
<b>3. Type / Produktgruppe:</b> Aluminum electrolytic capacitors with screw terminals/ Aluminium-Elektrolyt-Kondensatoren mit Schraubanschluss	<b>Old ordering code / Alte Bestell-Nr.:</b>	<b>New ordering code / Neue Bestell-Nr.:</b>	<b>Customer part number / Kundensachnummer:</b>																																				
	B41456*, B41458*, B41465*, B41550*, B41554*, B41560*, B41570*, B41580*, B41754*, B43406*, B43407*, B43454*, B43455*, B43456*, B43457*, B43458*, B43464*, B43465*, B43467*, B43474*, B43484*, B43550*, B43560*, B43564*, B43566*, B43570*, B43580*, B43584*, B43586*, B43740*, B43750*, B43760*, B43770*, B43991U5828Q001	No change/ Keine Änderung																																					
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<p>This change affects all EPCOS aluminum electrolytic capacitors with screw terminals produced in Szombathely, Hungary, for which the screws are supplied as standard. It does not apply to capacitors subject to special agreements regarding screws. The standard M5 and M6 screws will be replaced as shown below:</p> <table border="0"> <thead> <tr> <th></th> <th>Existing</th> <th>New</th> </tr> </thead> <tbody> <tr> <td>Strength category</td> <td>4.8</td> <td>5.6</td> </tr> <tr> <td>Screw type</td> <td>Slotted cheese/pan head</td> <td>Raised head, cross-slotted (Poqidriv type)</td> </tr> <tr> <td>Thread length M5 screw</td> <td>8 mm</td> <td>10 mm</td> </tr> <tr> <td>Code number M5 screw</td> <td>D 84-M5x8-4.8</td> <td>DIN 7985 / ISO 7045-M5x10-5.6-Z</td> </tr> <tr> <td>Code number M6 screw</td> <td>D 85-M6x12-4.8</td> <td>DIN 7985 / ISO 7045-M6x12-5.6-Z</td> </tr> </tbody> </table> <p>/</p> <p>Die Änderung betrifft alle EPCOS Aluminium-Elektrolyt-Kondensatoren mit Schraubanschluss, die in unserem Werk in Szombathely, Ungarn, produziert werden und in deren Lieferumfang Schrauben als Standardzubehör enthalten sind. Kundenspezifische Regelungen sind von dieser Änderung nicht betroffen. Austausch der M5- und M6-Schrauben mit folgenden Änderungen:</p> <table border="0"> <thead> <tr> <th></th> <th>aktuell</th> <th>neu</th> </tr> </thead> <tbody> <tr> <td>Festigkeitsklasse</td> <td>4,8</td> <td>5,6</td> </tr> <tr> <td>Schraubentyp</td> <td>Flachkopfschraube mit Schlitz</td> <td>Kreuzschlitzschraube (Typ poqidriv)</td> </tr> <tr> <td>Gewindelänge M5</td> <td>8 mm</td> <td>10 mm</td> </tr> <tr> <td>Code M5-Schraube</td> <td>D 84-M5x8-4.8</td> <td>DIN 7985 / ISO 7045-M5x10-5.6-Z</td> </tr> <tr> <td>Code M6-Schraube</td> <td>D 85-M6x12-4.8</td> <td>DIN 7985 / ISO 7045-M6x12-5.6-Z</td> </tr> </tbody> </table>					Existing	New	Strength category	4.8	5.6	Screw type	Slotted cheese/pan head	Raised head, cross-slotted (Poqidriv type)	Thread length M5 screw	8 mm	10 mm	Code number M5 screw	D 84-M5x8-4.8	DIN 7985 / ISO 7045-M5x10-5.6-Z	Code number M6 screw	D 85-M6x12-4.8	DIN 7985 / ISO 7045-M6x12-5.6-Z		aktuell	neu	Festigkeitsklasse	4,8	5,6	Schraubentyp	Flachkopfschraube mit Schlitz	Kreuzschlitzschraube (Typ poqidriv)	Gewindelänge M5	8 mm	10 mm	Code M5-Schraube	D 84-M5x8-4.8	DIN 7985 / ISO 7045-M5x10-5.6-Z	Code M6-Schraube	D 85-M6x12-4.8	DIN 7985 / ISO 7045-M6x12-5.6-Z
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<b>5. Effect on the product or for customers (quality, specification, lead time) / Auswirkung auf das Produkt oder für den Kunden (Qualität, Spezifikation, Lieferzeiten):</b> New screws allow higher tightening torques for the terminals of screw capacitors./ Mit den neuen Schrauben können höhere Anzugsmomente realisiert werden.	
<b>6. Quality assurance measures / Maßnahmen zur Qualitätssicherung:</b> Not applicable. / Nicht notwendig.	
<b>7. Scheduled date of introduction / Geplante Einführung:</b> November 15, 2012 to January 31, 2013 During the transition period, current stocks with the previous screws will first be depleted. After that, only capacitors with the new screws will be supplied. No mixed deliveries will be made. Während der Übergangsphase werden zunächst die Lagerbestände an bisherigen Schrauben aufgebraucht. Danach werden nur noch Kondensatoren mit den neuen Schrauben geliefert. Mischlieferungen sind ausgeschlossen.	
<b>8. Customer feedback / Rückmeldung vom Kunden:</b> 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. Falls EPCOS innerhalb von 10 Wochen keine gegenteilige Mitteilung erhält, geht EPCOS davon aus, dass die geplante Änderung vom Kunden akzeptiert ist. Innerhalb einer Übergangszeit kann es vorkommen, dass sowohl alte wie auch neue Ware geliefert wird.	
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Customer acknowledgement Bestätigung durch den Kunden	Signature