

EG-Konformitätserklärung
EC Conformity Declaration

Weidmüller 

Dokument-Nr./Monat/Jahr
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K338/January/2011

Hersteller / manufacturer

Weidmüller Interface GmbH & Co. KG

Anschrift / address

Klingenbergstr. 16
32758 Detmold

Produktbezeichnung
Product designation

RS ELCO interface range

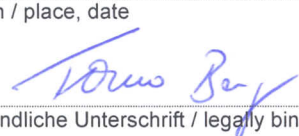
Das bezeichnete Produkt stimmt mit den Vorschriften folgender EG Richtlinie(n) überein:
The designated product conforms to the provisions of the following EC directive(s):

Nummer / number

2006/95/EG Richtlinie des Rates zur Angleichung der Rechtsvorschriften
der Mitgliedstaaten betreffend elektrische Betriebsmittel zur
Verwendung innerhalb bestimmter Spannungsgrenzen.
2006/95/EC Council Directive on the harmonization of the laws of the
Member States relating to the equipment designed for use
within certain voltage limits.

Weitere Angaben über die Einhaltung der Richtlinie(n) enthält der Anhang.
For further information about compliance with this (these) directive(s) see annex.

Detmold, den 10.2.2011
Ort, Datum / place, date


Rechtverbindliche Unterschrift / legally binding signature

Dr. Timo Berger, Head of Electronic Interfaces

Name und Funktion der zur Unterschrift berechtigten Person
name and function of the signatory empowered to bind the manufacturer

Der Anhang ist Bestandteil dieser Erklärung. Diese Erklärung bescheinigt die Übereinstimmung mit den genannten Richtlinien, beinhaltet jedoch keine Zusicherung von Eigenschaften. Die Sicherheitshinweise der mitgelieferten Produktdokumentation sind zu beachten.

The annex is integral part of this declaration. This declaration certifies compliance with the indicated directives but no warranty of properties. The safety instructions of the accompanying product documentation shall be observed.

K3380111

Produktbezeichnung
Product designation

1126610000	RS ELCO 20/20RM S
1126620000	RS ELCO 20/20RM Z
1126630000	RS ELCO 20/20LM S
1126640000	RS ELCO 20/20LM Z
1126650000	RS ELCO 38/38RM S
1126660000	RS ELCO 38/38RM Z
1126670000	RS ELCO 38/38LM S
1126680000	RS ELCO 38/38LM Z
1126690000	RS ELCO 56/32RM S
1126700000	RS ELCO 56/32RM Z
1126710000	RS ELCO 56/32LM S
1126720000	RS ELCO 56/32LM Z
1126730000	RS ELCO 56/54RM S
1126740000	RS ELCO 56/54RM Z
1126750000	RS ELCO 56/54LM S
1126760000	RS ELCO 56/54LM Z
1126770000	RS ELCO 56/56RM S
1126780000	RS ELCO 56/56RM Z
1126790000	RS ELCO 56/56LM S
1126800000	RS ELCO 56/56LM Z
1126870000	RS ELCO 90/90LM S
1126880000	RS ELCO 90/90LM Z
1126810000	RS ELCO 90/90RM S
1126820000	RS ELCO 90/90RM Z

Die Übereinstimmung der bezeichneten Produkte mit den Vorschriften der Richtlinie **2006/95/EG** wird nachgewiesen durch die vollständige oder teilweise Einhaltung folgender Normen und Bestimmungen:
The conformity of the designated products of Directive **2006/95/EC** is proved by fully or partly compliance with the following standards:

Harmonisierte Europäische Normen / harmonized European standards:

Referenznummer Reference number	Ausgabedatum Date of issue	Referenznummer Reference number	Ausgabedatum Date of issue
EN 50178	1997		

This document is a statement of the decisions reached in order to evaluate if the **RS ELCO interface range** of Weidmüller fulfils the requirements of the CE directive.

The following articles belong to the **RS ELCO interface range**:



Description	Part-Number
RS ELCO 20/20RM S	1126610000
RS ELCO 20/20RM Z	1126620000
RS ELCO 20/20LM S	1126630000
RS ELCO 20/20LM Z	1126640000
RS ELCO 38/38RM S	1126650000
RS ELCO 38/38RM Z	1126660000
RS ELCO 38/38LM S	1126670000
RS ELCO 38/38LM Z	1126680000
RS ELCO 56/32RM S	1126690000
RS ELCO 56/32RM Z	1126700000
RS ELCO 56/32LM S	1126710000
RS ELCO 56/32LM Z	1126720000
RS ELCO 56/54RM S	1126730000
RS ELCO 56/54RM Z	1126740000
RS ELCO 56/54LM S	1126750000
RS ELCO 56/54LM Z	1126760000
RS ELCO 56/56RM S	1126770000
RS ELCO 56/56RM Z	1126780000
RS ELCO 56/56LM S	1126790000
RS ELCO 56/56LM Z	1126800000
RS ELCO 90/90LM S	1126870000
RS ELCO 90/90LM Z	1126880000
RS ELCO 90/90RM S	1126810000
RS ELCO 90/90RM Z	1126820000

Standards and directives

- **2004/108/EC:** Council Directive on the harmonization of the laws of the Member States relating to electromagnetic compatibility.
Due the **RS ELCO interface range** is a product where all individual components are inherently benign in terms of electromagnetic compatibility, this range of products are not under the scope of the 2004/108/EC directive.
- **2006/95/EC:** Council Directive on the harmonization of the laws of the Member States relating to the equipment designed for use within certain voltage limits.
The conformity of the designated products of Directive 2006/95/EC is proved by fully or partly compliance with the EN50178 (1997) (Electronic equipment for use in power installation)

Complying of the RS ELCO interface range according EN50178:

The products of the range have been divided in two groups. The division has been made according the specifications of the products and their design parameters. All the products in the same group have been designed according the same concept and rules; hence their clearance, creepage and current capabilities should behave similarly.

- Group 1: The interfaces of 20, 38, 56 poles. (2 layers PCB with 1.5A per pole)

Description	Part-Number
RS ELCO 20/20RM S	1126610000
RS ELCO 20/20RM Z	1126620000
RS ELCO 20/20LM S	1126630000
RS ELCO 20/20LM Z	1126640000
RS ELCO 38/38RM S	1126650000
RS ELCO 38/38RM Z	1126660000
RS ELCO 38/38LM S	1126670000
RS ELCO 38/38LM Z	1126680000
RS ELCO 56/32RM S	1126690000
RS ELCO 56/32RM Z	1126700000
RS ELCO 56/32LM S	1126710000
RS ELCO 56/32LM Z	1126720000
RS ELCO 56/54RM S	1126730000
RS ELCO 56/54RM Z	1126740000
RS ELCO 56/54LM S	1126750000
RS ELCO 56/54LM Z	1126760000
RS ELCO 56/56RM S	1126770000
RS ELCO 56/56RM Z	1126780000
RS ELCO 56/56LM S	1126790000
RS ELCO 56/56LM Z	1126800000

- Group 2: The interfaces of 90 poles. (4 layers PCB with 0.5A per pole)

Description	Part-Number
RS ELCO 90/90LM S	1126870000
RS ELCO 90/90LM Z	1126880000
RS ELCO 90/90RM S	1126810000
RS ELCO 90/90RM Z	1126820000

In a meeting between Weidmüller laboratory, Quality Planning and Portfolio departments, it have been decided that for each group there is a product that has the most risk. This means that the rest of the products of each group behave the same or better. Due to this reason, the most sensible products will be considered as representative of each group. These products are:

- Group 1: RS ELCO 56/56LM Z
- Group 2: RS ELCO 90/90LM Z

In order to ensure that the representative products comply with the EN50178 they have been type tested according the relevant points in EN50178. The following points have been considered as not relevant:

- a. EMC has not been tested according that the product is inherently benign.
- b. Direct and indirect shock protections and distances since this product is intended to be used inside a box or cabinet at least IP2x.

The laboratory reports that for this type tests are:

Group	Description	Part Number	Laboratory report
Group 1	RS ELCO 56/56LM Z	1126800000	PA50_Laboratory report PA50-0027
Group 2	RS ELCO 90/90LM Z	1126880000	PA50_Laboratory report PA50-0028