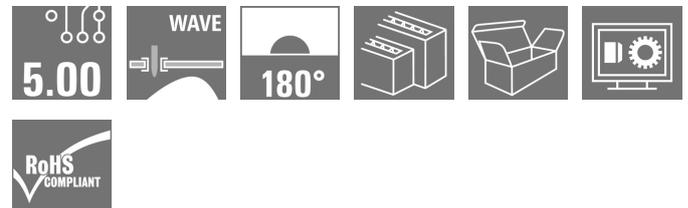


## OMNIMATE Signal - series RSV RSV1,6 LB24 GR 3,2 AU

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 1429-0  
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Rectangular plug-in male and female connector with solder contacts for PCB applications. High connection density achieved by using several rows and crimp contacts in the mating connector. The plug-in connectors can be coded and locked to the mating connector. Supplied in cardboard box.

### General ordering data

Type	RSV1,6 LB24 GR 3,2 AU
Order No.	<a href="#">1445200000</a>
Version	PCB plug-in connector, female header, 5.00 mm, No. of poles: 24, Solder pin length (l): 3.2 mm, Gold-plated, Pebble grey, Box
GTIN (EAN)	4008190101640
Qty.	20 pc(s).
Product data	IEC: 500 V / 14 A UL: 300 V / 10 A
Packaging	Box

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**Technical data****Dimensions and weights**

Net weight	17.55 g
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**System specifications**

Product family	OMNIMATE Signal - series RSV	Type of connection	Solder connection
Pitch in mm (P)	5 mm	Pitch in inches (P)	0.197 inch
No. of poles	24	Solder pin length (l)	3.2 mm
Tolerance of solder pin position	± 0.20 mm	Solder pin dimensions	d = 0.97 mm
Solder eyelet hole diameter (D)	1.3 mm	Solder eyelet hole diameter tolerance (D)	+ 0,1 mm
L1 in mm	25 mm	L1 in inches	0.984 inch
Number of rows	1	Pin series quantity	4
Packaging	Box		

**Material data**

Insulating material	Wemid (PA)	Colour	Pebble grey
Colour chart (similar)	RAL 7032	UL 94 flammability rating	V-0
Contact material	Copper alloy	Contact surface	Gold-plated
Storage temperature, min.	-25 °C	Storage temperature, max.	55 °C
Max. relative humidity during storage	80 %	Operating temperature, max.	100 °C
Temperature range, installation, max.	100 °C		

**Rated data acc. to IEC**

tested acc. to standard	IEC 60664-1, IEC 61984	Rated current, min. no. of poles (Ta = 20°C)	14 A
Rated current, max. no. of poles (Ta = 20°C)	10 A	Rated current, min. no. of poles (Ta = 40°C)	12 A
Rated current, max. no. of poles (Ta = 40°C)	8.5 A	Rated voltage for surge voltage class / pollution degree II/2	500 V
Rated voltage for surge voltage class / pollution degree III/2	320 V	Rated voltage for surge voltage class / pollution degree III/3	250 V
Rated impulse voltage for surge voltage class/ pollution degree II/2	2.5 kV	Rated impulse voltage for surge voltage class/ pollution degree III/2	2.5 kV
Rated impulse voltage for surge voltage class/ contamination degree III/3	4 kV	Short-time withstand current resistance	3 x 1s with 120 A

**Rated data acc. to CSA**

Institute (CSA)		Certificate No. (CSA)	53975-13
Rated voltage (Use group C)	300 V	Rated current (use group C)	13 A
Reference to approval values	Specifications are maximum values, details - see approval certificate.		

**Data sheet**

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**Technical data**

**Rated data acc. to UL 1059**

Institute (UR)		Certificate No. (UR)	E92202
Rated voltage (use group C)	300 V	Rated current (use group C)	10 A
Reference to approval values	Specifications are maximum values, details - see approval certificate.		

**Classifications**

ETIM 3.0	EC001284	ETIM 4.0	EC002636
ETIM 5.0	EC002636	ETIM 6.0	EC002637
UNSPSC	30-21-18-10	eClass 5.1	27-26-07-01
eClass 6.2	27-26-07-03	eClass 7.1	27-44-01-01
eClass 8.1	27-44-01-01	eClass 9.0	27-44-01-01
eClass 9.1	27-44-04-02		

**Notes**

Notes	<ul style="list-style-type: none"> <li>• Additional colours on request</li> <li>• Rated current related to rated cross-section &amp; min. No. of poles.</li> <li>• Spacing between rows: see hole layout</li> <li>• Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.</li> </ul>
IPC conformity	The products are developed, manufactured and delivered according to the internationally recognised IPC-A-610 standard, category "permissible". More extensive demands on the products can be evaluated on request.

**Approvals**

Approvals	
ROHS	Conform

**Downloads**

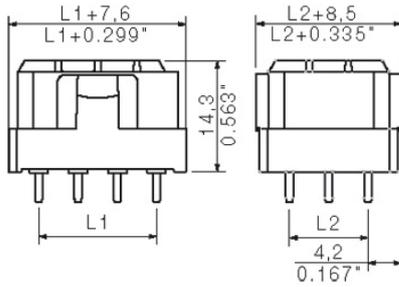
Approval/Certificate/Document of Conformity	<a href="#">Declaration of the Manufacturer</a>
Brochure/Catalogue	<a href="#">MB DEVICE MANUF. EN</a> <a href="#">CAT 2 PORTFOLIOGUIDE EN</a> <a href="#">FL 72H SAMPLE SER EN</a> <a href="#">PO OMNIMATE EN</a>
Engineering Data	<a href="#">EPLAN_WSCAD</a>
Engineering Data	<a href="#">RSV1.6.zip</a>

**OMNIMATE Signal - series RSV**  
**RSV1,6 LB24 GR 3,2 AU**

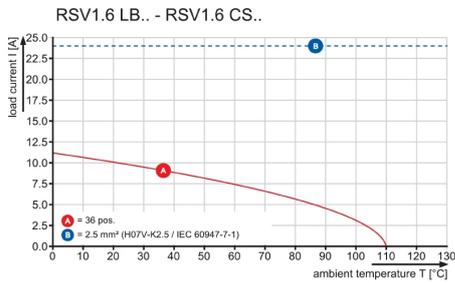
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**Drawings**

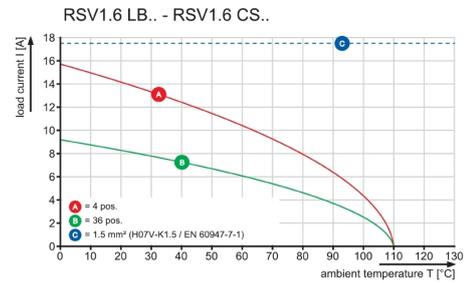
**Dimensional drawing**



**Graph**



**Graph**



**Data sheet**

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**Accessories**

**Coding elements**



**Only connects what is supposed to be connected:  
the right connection at the right place.**

Coding elements and locking devices clearly assign connecting elements during the manufacturing process and operation

The coding elements and locking devices are inserted prior to assembly or during the cable assembly phase. The Weidmüller alternative: configure online using the variant configurator to precode prior to delivery.

Incorrect assembly on the circuit board and incorrect plugging of connecting elements is no longer possible. The advantage: no troubleshooting during manufacture and no operational errors by the user.

**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
RSV1,6 KO	<a href="#">1567430000</a>	PCB plug-in connector, Accessories, Coding element, Black, No. of poles: 1	4008190169756	50 pc(s).	UL:	Box