

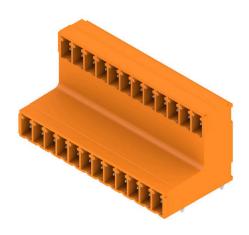


Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26 D-32758 Detmold Germany

www.weidmueller.com

#### **Product image**















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Two-tier SCDV pin header for wave soldering.

- It allows you to use two interfaces on only one surface and with only one step in the work flow.
- Outlet direction: 90° (recumbent)
- Connections at two offset levels and with open access to each row.
- Space for labelling and coding
- Packed in cardboard box.

Weidmüller's 3.81-mm-pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors and offer space for labelling and coding.

#### **General ordering data**

Version	PCB plug-in connector, male header, closed side, THT solder connection, 3.81 mm, Number of poles: 24, 90°, Solder pin length (I): 3.2 mm, tinned, orange, Box
Order No.	<u>1032210000</u>
Туре	SCDV 3.81/24/90G 3.2SN OR BX
GTIN (EAN)	4032248771509
Qty.	50 items
Product data	IEC: 320 V / 17.5 A UL: 300 V / 11 A
Packaging	Вох



### **SCDV 3.81/24/90G 3.2SN OR BX**



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# **Technical data**

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ROHS	Conform			
Dimensions and weights				
Depth	21.9 mm	Depth (inches)	0.8622 inch	
Height	25.9 mm	Height (inches)	1.0197 inch	
Height of lowest version	22.7 mm	Width	47.11 mm	
Width (inches)	1.8547 inch	Net weight	10.5 g	

#### **Environmental Product Compliance**

RoHS Compliance Status	Compliant without exemption
REACH SVHC	No SVHC above 0.1 wt%

#### **System specifications**

Product family	OMNIMATE Signal - series BC/SC 3.81	Type of connection	Board connection
Mounting onto the PCB	THT solder connection	Pitch in mm (P)	3.81 mm
Pitch in inches (P)	0.150 "	Outgoing elbow	90°
Number of poles	24	Number of solder pins per pole	1
Solder pin length (I)	3.2 mm	Solder pin length tolerance	+0,02 / -0.2 mm
Solder pin dimensions	d = 1.0 mm, Octagonal	Solder pin dimensions = d tolerance	0 / -0,03 mm
Solder eyelet hole diameter (D)	1.2 mm	Solder eyelet hole diameter tolerance (D)+ 0,1 mm	
L1 in mm	41.91 mm	L1 in inches	1.650 "
Number of rows	2	Pin series quantity	2
Touch-safe protection acc. to DIN VDE 57 106	finger-safe unplugged/ back-of-hand-safe plugged	Touch-safe protection acc. to DIN VDE 0470	IP20 plugged/ IP10 unplugged
Volume resistance	≤5 mΩ	Can be coded	Yes
Plugging force/pole, max.	7.5 N	Pulling force/pole, max.	5.5 N

### **Material data**

Insulating material	PA GF	Colour	orange
Colour chart (similar)	RAL 2000	Insulating material group	II
Comparative Tracking Index (CTI)	≥ 550	Moisture Level (MSL)	
UL 94 flammability rating	V-0	Contact material	Copper alloy
Contact surface	tinned	Storage temperature, min.	-40 °C
Storage temperature, max.	70 °C	Operating temperature, min.	-50 °C
Operating temperature, max.	120 °C	Temperature range, installation, min.	-25 °C
Temperature range, installation, max.	120 °C		

#### Rated data acc. to IEC

tested acc. to standard	IEC 60664-1, IEC 61984	Rated current, min. number of poles (Tu=20°C)	17.5 A
Rated current, min. number of poles (Tu=40°C)	17 A	Rated voltage for surge voltage class / pollution degree II/2	320 V
Rated voltage for surge voltage class / pollution degree III/2	160 V	Rated voltage for surge voltage class / pollution degree III/3	160 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	2.5 kV	Short-time withstand current resistance	3 x 1s with 76 A

Creation date 28.11.2025 08:30:28 MEZ

Catalogue status / Drawings 2



### **SCDV 3.81/24/90G 3.2SN OR BX**



#### Weidmüller Interface GmbH & Co. KG

27-46-02-01

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## Technical data

rechnical data				
Rated data acc. to CSA				
Potod voltogo /Llos group P. / CSA	300 V	Poted voltage (Llee group D. / CSA)	300 V	
Rated voltage (Use group B / CSA) Rated current (Use group B / CSA)	11 A	Rated voltage (Use group D / CSA)  Rated current (Use group D / CSA)	10 A	
Rated data acc. to UL 1059				
Rated voltage (Use group B / UL 1059)	300 V	Rated voltage (Use group D / UL 1059)	300 V	
Rated current (Use group B / UL 1059)		Rated current (Use group D / UL 1059)		
Packing				
Do also grip gr	Box	VDC longeth	300.00 mm	
Packaging VPF width	255.00 mm	VPE length VPE height	28.00 mm	
VI E Width	200.00 11111	VI E Holght	20.00 11111	
IPC conformity	recognized standards and r	re developed, manufactured and delivered and comply with the assured properties as a supplication assured properties as a supplication as a supplication as a supplication as a supplication assured properties as a supplication a	ies in the data sheet resp.	
Notes	<ul> <li>fulfill decorative properties in accordance with IPC-A-610 "Class 2". Further claims on the production be evaluated on request.</li> <li>Additional variants on request</li> <li>Rated current related to rated cross-section &amp; min. No. of poles.</li> </ul>			
	<ul> <li>components are to be de</li> <li>P on drawing = pitch</li> <li>In accordance with IEC 6 capacity (COC). During d disengaged when live or</li> </ul>	he component itself. Clearance and creepagesigned in accordance with the relevant appoints 1984, OMNIMATE-connectors are connect esignated use, connectors are not allowed to under load product with average temperature of 50 °C	lication standards. ors without breaking to be engaged or	
Classifications				
ETIM 6.0	EC002637	ETIM 7.0	EC002637	
ETIM 8.0	EC002637	ETIM 9.0	EC002637	
ETIM 10.0	EC002637	ECLASS 9.0	27-44-04-02	
ECLASS 9.1	27-44-04-02	ECLASS 10.0	27-44-04-02	
FOL A OO 44 O	07.40.00.04	FOL 400 40 0	07.40.00.04	

ECLASS 12.0

ECLASS 14.0

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27-46-02-01

ECLASS 11.0

ECLASS 13.0

ECLASS 15.0

Catalogue status / Drawings





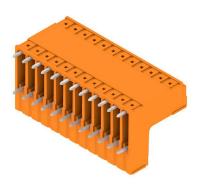
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# **Drawings**

#### **Product image**



### **Dimensional drawing**

