

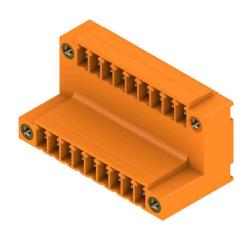


Weidmüller Interface GmbH & Co. KG

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, Flange, THT solder connection, 3.81 mm, Number of poles: 18, 90°, Solder pin length (I): 3.2 mm, tinned, orange, Box
Order No.	1032650000
Туре	SCDV 3.81/18/90F 3.2SN OR BX
GTIN (EAN)	4032248771929
Qty.	50 items
Product data	IEC: 320 V / 17.5 A UL: 300 V / 11 A
Packaging	Вох



## **SCDV 3.81/18/90F 3.2SN OR BX**



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# **Technical data**

Approvals					
ROHS	Conform				
Dimensions and weights					
Depth	21.9 mm	Depth (inches)		8622 inch	
Height	25.9 mm	Height (inches)		0197 inch	
Height of lowest version	22.7 mm	Width	44	1.68 mm	
Vidth (inches)	1.7591 inch	Net weight	10	).99 g	
Environmental Product Comp	liance				
RoHS Compliance Status	Compliant with exemption				
RoHS Exemption (if applicable/known)	6c				
REACH SVHC	Lead 7439-92-1				
SCIP	bf6d7a85-f544-4ef5-9f0d	-e42877c7f5e6			
System specifications	5,04,400,01,1000				
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	18				
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 (E	0)+ 0,1 mm				
_1 in mm	30.48 mm				
1 in inches	1.200 "				
Number of rows	2				
Pin series quantity	2				
Fouch-safe protection acc. to DIN VDE	finger-safe unplugged/ bad	ck-of-hand-safe plugged	t		
Touch-safe protection acc. to DIN VDE 0470	IP20 plugged/ IP10 unplu	gged			
/olume resistance	≤5 mΩ				
Can be coded	Yes				
Plugging force/pole, max.	7.5 N				
Pulling force/pole, max.	5.5 N				
Fightening torque	Torque type		Mounting screw, PCB		
	Usage information		Tightening torque	min.	0.1 Nm
				max.	0.15 Nn
			Recommended screw	Part	PTSC K
				number	2.2X4.5 WN141

### **Material data**

Insulating material	PA GF	Colour	orange	
Colour chart (similar)	RAL 2000	Insulating material group	II	

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Catalogue status / Drawings 2



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Comparative Tracking Index (CTI)	≥ 550	Moisture Level (MSL)	
UL 94 flammability rating	V-0	Contact material	Cu-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

#### Rated data acc. to CSA

Rated voltage (Use group B / CSA)	300 V	Rated voltage (Use group D / CSA)	300 V
Rated current (Use group B / CSA)	11 A	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) 11 A	Rated current (Use group D / UL 1059) 10 A

#### **Packing**

Packaging	Box	VPE length	260.00 mm
VPE width	238.00 mm	VPE height	28.00 mm

#### **Important note**

IPC conformity	Conformity: The products are developed, manufactured and delivered according international recognized standards and norms and comply with the assured properties in the data sheet resp. fulfill decorative properties in accordance with IPC-A-610 "Class 2". Further claims on the products can be evaluated on request.
Notes	Additional variants on request

- Rated current related to rated cross-section & min. No. of poles.
- 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.
- P on drawing = pitch
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50  $^{\circ}\text{C}$  and maximum humidity 70%, 36 months

#### 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
ECLASS 11.0	27-46-02-01	ECLASS 12.0	27-46-02-01
ECLASS 13.0	27-46-02-01	ECLASS 14.0	27-46-02-01

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# **Technical data**

ECLASS 15.0

27-46-02-01

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# **Drawings**

### **Product image**



## **Dimensional drawing**

