



Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26 D-32758 Detmold Germany

www.weidmueller.com

#### **Product image**















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High-temperature-resistant two-tier SCDV-THR pin header for reflow 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 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/THR solder connection, 3.81 mm, Number of poles: 32, 90°, Solder pin length (I): 3.2 mm, tinned, black, Box
Order No.	1033640000
Туре	SCDV-THR 3.81/32/90G 3.2SN BK BX
GTIN (EAN)	4032248762552
Qty.	20 items
Product data	IEC: 320 V / 17.5 A UL: 300 V / 11 A
Packaging	Вох







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# **Technical data**

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	66.15 mm
Width (inches)	2.6043 inch	Net weight	19.7 g
Environmental Product Comp	liance		
RoHS Compliance Status	Compliant without exemptio	n	
REACH SVHC	No SVHC above 0.1 wt%		
System specifications			
Product family	OMNIMATE Signal paries	Type of connection	Board connection
Product family	OMNIMATE Signal - series BC/SC 3.81	Type of connection	
Mounting onto the PCB	THT/THR solder connection	Pitch in mm (P)	3.81 mm
Pitch in inches (P)	0.150 "	Outgoing elbow	90°
Number of poles	32	Number of solder pins per pole	1
Solder pin length (I)	3.2 mm	Solder pin length tolerance	+0,02 / -0,02 mm
Solder pin dimensions	d = 1.0 mm, Octagonal	Solder pin dimensions = d tolerance 0 / -0,03 mm	
Solder eyelet hole diameter (D)	1.3 mm	Solder eyelet hole diameter tolerance (D)+ 0,1 mm	
Outside diameter of solder pad	2.1 mm	Template aperture diameter 1.9 mm	
L1 in mm	57.15 mm	L1 in inches 2.250 "	
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
Material data			
	100.00		
Insulating material	LCP GF	Colour	black
Colour chart (similar)	RAL 9011	Insulating material group	Illa
Comparative Tracking Index (CTI)	≥ 175	Moisture Level (MSL)	1
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
Poted voltage for ourge voltage class /	160 V	Pated voltage for surge voltage class /	160 V

Creation date 28.11.2025 07:07:15 MEZ

Rated voltage for surge voltage class /

Rated impulse voltage for surge voltage 2.5 kV class/ pollution degree II/2

Rated impulse voltage for surge voltage 2.5 kV class/ contamination degree III/3

pollution degree III/2

Catalogue status / Drawings 2

Rated voltage for surge voltage class /

Rated impulse voltage for surge voltage 2.5 kV

Short-time withstand current resistance 3 x 1s with 76 A

pollution degree III/3

class/ pollution degree III/2

160 V







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# Technical data

recommodi data					
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)	11 A		
Rated data acc. to UL 1059					
D . 1 1. (11 D . (11 1050)	0001/	D. J. W. (II. D. (III. 1050)	000.1/		
Rated voltage (Use group B / UL 1059)		Rated voltage (Use group D / UL 1059)			
Rated current (Use group B / UL 1059)	IIA	Rated current (Use group D / UL 1059) 11 A			
Packing					
Packaging	Вох	VPE length	25.00 mm		
VPE width	135.00 mm	VPE height	255.00 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 product 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				
		1984, OMNIMATE-connectors are connect	ors without breaking		
	capacity (COC). During designated use, connectors are not allowed to be engaged or				
	disengaged when live or under load				
	<ul> <li>Long term storage of the 70%, 36 months</li> </ul>	product with average temperature of 50 °C	and maximum humidity		
Classifications					
ETIM 6.0	EC002637	ETIM 7.0	EC002637		
ETIM 8.0	EC002637	ETIM 9.0	EC002637		
ETIM 100	ECOOSEST	ECLACE O O	27 44 04 02		

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
ECLASS 15.0	27-46-02-01		

Catalogue status / Drawings



### **SCDV-THR 3.81/32/90G 3.2SN BK BX**

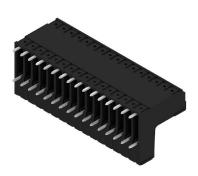
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# **Drawings**

#### **Product image**



## **Dimensional drawing**

