

D-SUB F6.1 T09VB 3.2B2 TY BK

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 26
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 Germany

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The product range encompasses the following designs:

- 90°, lying (horizontal) and 180°, standing (vertical)
- Flange design as drilled hole, UNC 4-40 threaded nut and UNC 4-40 threaded bolt
- Stamped contacts (Rated current: 3 A)
- THT soldering process
- Wide range of different design types, also with snap-on clip
- Packed in tray (TY)
- Extended temperature range of -55 °C to +85 °C for maximum performance
- Design in accordance with IEC 60807-3 (IEC 807-3) and DIN 41652

General ordering data

Version	OMNIMATE Data - D-SUB connector, female header, Thread-bolt UNC 4-40, Snap-on clip, THT solder connection, Pitch in mm (P): 2.77 mm, Number of poles: 9, 500, PBT glass fibre reinforced UL 94 V-0, black, Tray (manual assembly)
Order No.	2626670000
Type	D-SUB F6.1 T09VB 3.2B2 TY BK
GTIN (EAN)	4050118663617
Qty.	90 items
Packaging	Tray (manual assembly)
Delivery status	This article will no longer be available in the future.
Available until	2024-08-31T00:00:00+02:00

Creation date 25.02.2026 06:08:47 MEZ

Catalogue status / Drawings

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Technical data**Approvals**

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate No. (UR)	E92202

Dimensions and weights

Depth	12.55 mm	Depth (inches)	0.4941 inch
Width	30.81 mm	Width (inches)	1.213 inch
Net weight	7.67 g		

Environmental Product Compliance

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

System specifications

Number of poles	9
Solder pin length (l)	4.6 mm
Mounting onto the PCB	THT solder connection
Pitch in inches (P)	0.109 "
Shielding material	Steel
Side termination, characteristic	Thread-bolt UNC 4-40, Snap-on clip
Type of connection	Solder connection
Solder eyelet hole diameter (D)	1.1 mm
Product family	OMNIMATE Data - D-SUB connector
Pitch in mm (P)	2.77 mm
Protection degree	IP20
Plugging cycles	500
Model	Socket connector
Outgoing elbow	180°
Shield surface	tinned
Soldering process	Manual soldering, Wave soldering
Solder pin dimensions	Octagonal
Solder pin length tolerance	Lower tolerance with prefix (reveals minimum) -0,25
	Upper tolerance with prefix (reveals maximum) +0,25
	Tolerance, unit mm
Solder pin length tolerance	+0,25 / -0,25 mm
Tolerance of solder pin position	± 0.1 mm

Electrical properties

Dielectric strength, contact / contact	1000 V AC	Volume resistance	≤20 mΩ
Nominal voltage	250 V	Rated current	3 A

Material data

Insulating material	PBT glass fibre reinforced UL 94 V-0	Colour	black
Colour chart (similar)	RAL 9011	Moisture Level (MSL)	

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UL 94 flammability rating	V-0	Contact base material	Copper alloy
Contact material	Cu-alloy	Contact surface	Gold over nickel
Layer structure of plug contact	$\geq 50 \mu\text{m Ni} / \geq 1 \mu\text{m Au}$	Storage temperature, min.	-55 °C
Storage temperature, max.	85 °C	Operating temperature, min.	-55 °C
Operating temperature, max.	105 °C		

Packing

Packaging	Tray (manual assembly)	VPE length	304.00 mm
VPE width	253.00 mm	VPE height	16.00 mm

Important note

Notes

Classifications

ETIM 8.0	EC002637	ETIM 9.0	EC002637
ETIM 10.0	EC002637	ECLASS 14.0	27-46-02-01
ECLASS 15.0	27-46-02-01		

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Drawings

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Product image



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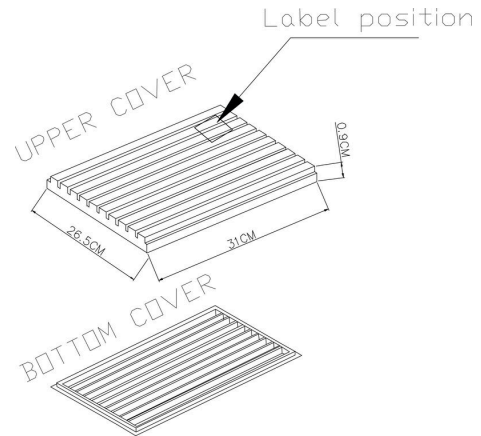
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Drawings

Packaging drawing

Scale	Free
TOLERANCE	
X.	±0.38
X.X	±0.25
X.XX	±0.13
DIM	TOL
X.°	±3°
X.X°	±1.0°
Angle	TOL



Dimensional drawing

Top view dimensions: $A \pm 0.25$, B , D , E , 2.77 , 2.84 , 12.55 ± 0.25 , 7.9 , 10° , #4-40 UNC

Side view dimensions: 4.15 , 4.6 , 4.1 , 5.8 , 5.0 , 0.9 ± 0.25 , 1.0 ± 0.3 , F

Pin detail dimensions: 3.2 , 1.50 , 4.2 , 6.0

RECOMMENDED PCB LAYOUT dimensions: $B \pm 0.05$, $E \pm 0.05$, 2.84 ± 0.05 , 2.77 ± 0.05 , $\phi 3.1^{+0.05}$, $\phi 1.10 \pm 0.05$

#4-40 UNC screwlock installed dimensions: 4.75 , 10.0 , 5.0 , #4-40 UNC

POSITIONS	$A \pm 0.15$	$B \pm 0.10$	$D \pm 0.13$	$E \pm 0.08$	$F \pm 0.10$
9	30.81	24.99	16.33	11.08	19.20
15	39.20	33.30	24.70	19.39	27.70
25	53.05	47.04	38.40	33.24	41.10