

## D-SUB F6.1 T09VN 3.2N2 TY GY

**Weidmüller Interface GmbH & Co. KG**

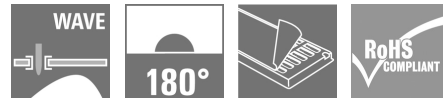
Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

### Product image



### 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, Hole, THT solder connection, Pitch in mm (P): 2.77 mm, Number of poles: 9, $\geq 50 \mu\text{m}$ Ni / $\geq 1 \mu\text{m}$ Au , PBT glass fibre reinforced UL 94 V-0, grey, Tray (manual assembly)
Order No.	<a href="#">2626650000</a>
Type	D-SUB F6.1 T09VN 3.2N2 TY GY
GTIN (EAN)	4050118663600
Qty.	50 pc(s).
Packaging	Tray (manual assembly)

Creation date December 4, 2023 12:10:12 PM CET

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

Depth	12.55 mm	Depth (inches)	0.494 inch
Width	30.81 mm	Width (inches)	1.213 inch
Net weight	5.5 g		

**System specifications**

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

**Electrical properties**

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

**Material data**

Insulating material	PBT glass fibre reinforced UL 94 V-0	Colour	grey
Colour chart (similar)	RAL 7035	UL 94 flammability rating	V-0
Contact base material	Copper alloy	Contact surface	Au (Gold)
Layer structure of solder connection	≥ 50 μ" Ni / ≥ 1 μ" Au	Layer structure of plug contact	≥ 50 μ" Ni / ≥ 1 μ" 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	188 mm
VPE width	175 mm	VPE height	21 mm

**Classifications**

ETIM 6.0	EC002637	ETIM 7.0	EC002637
ETIM 8.0	EC002637	ETIM 9.0	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	27460201

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Catalogue status 24.11.2023 / We reserve the right to make technical changes.

**Data sheet****D-SUB F6.1 T09VN 3.2N2 TY GY**

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**Technical data****Environmental Product Compliance**

REACH SVHC Lead 7439-92-1

**Approvals**

Approvals



ROHS Conform

UL File Number Search UL Website

Certificate No. (UR) E92202

**Downloads**

Engineering Data [CAD data – STEP](#)

Catalogues [Catalogues in PDF-format](#)

**Data sheet**

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**Drawings**

**Product image**





## Recommended wave soldering profiles

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### Single Wave:



### Double Wave:



### Wave soldering profiles

Wired connection elements should be processed in accordance with the DIN EN 61760-1 standard. We have included two recommendations for practical wave soldering profiles, with which Weidmüller PCB terminals and connectors are qualified.

When choosing a suitable profile for your application, the following factors also need to be considered:

- PCB thickness
- Proportion of Cu in the layers
- Single/double-sided assembly
- Product range
- Heating and cooling rates

The single and double wave profiles each indicate the recommended operating range, including the maximum soldering temperature of 260°C. In practice, the maximum soldering temperature is quite often well below the above maximum profile.