

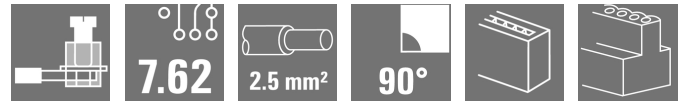
BLZ 7.62/08/90 SN GN BX**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Product image

Female plugs with clamping-yoke screw connection. The female plugs provide space for labelling and can be coded.

General ordering data

Version	PCB plug-in connector, female plug, 7.62 mm, Number of poles: 8, 90°, Clamping yoke connection, Clamping range, max. : 3.31 mm², Box
Order No.	2775040000
Type	BLZ 7.62/08/90 SN GN BX
GTIN (EAN)	4064675040057
Qty.	30 pc(s).
Product data	IEC: 800 V / 15 A / 0.2 - 2.5 mm² UL: 300 V / 10 A / AWG 26 - AWG 12
Packaging	Box

Creation date April 22, 2025 10:43:00 PM CEST

Catalogue status 22.04.2025 / We reserve the right to make technical changes.

BLZ 7.62/08/90 SN GN BX

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Technical data

Dimensions and weights

Depth	26.7 mm	Depth (inches)	1.051 inch
Height	13.9 mm	Height (inches)	0.547 inch
Width	58.96 mm	Width (inches)	2.321 inch
Net weight	17.9 g		

System Parameters

Product family	OMNIMATE Signal - series BL/SL 7.62	Wire connection method	Clamping yoke connection
Pitch in mm (P)	7.62 mm	Pitch in inches (P)	0.3 "
Conductor outlet direction	90°	Number of poles	8
L1 in mm	53.34 mm	L1 in inches	2.1 "
Pin series quantity	1	Touch-safe protection acc. to DIN VDE 57 106	Safe from finger touch
Volume resistance	5.00 mΩ	Can be coded	Yes
Tightening torque, min.	0.4 Nm	Tightening torque, max.	0.5 Nm
Clamping screw	M 2.5	Screwdriver blade standard	DIN 5264
Plugging cycles	25	Pulling force/pole, max.	2 N

Material data

Insulating material	PBT	Colour	Pale green
Colour chart (similar)	RAL 602 1	Insulating material group	IIIa
Comparative Tracking Index (CTI)	≥ 200	UL 94 flammability rating	V-0
Contact material	Cu-alloy	Storage temperature, min.	-40 °C
Storage temperature, max.	70 °C	Operating temperature, min.	-50 °C
Operating temperature, max.	100 °C		

Conductors suitable for connection

Clamping range, min.	0.13 mm ²	Clamping range, max.	3.31 mm ²
Solid, min. H05(07) V-U	0.2 mm ²	Solid, max. H05(07) V-U	2.5 mm ²
Flexible, min. H05(07) V-K	0.2 mm ²	Flexible, max. H05(07) V-K	2.5 mm ²
w. plastic collar ferrule, DIN 46228 pt 4, min.	0.2 mm ²	w. plastic collar ferrule, DIN 46228 pt 4, max.	2.5 mm ²
w. wire end ferrule, DIN 46228 pt 1, min.	0.2 mm ²	w. wire end ferrule, DIN 46228 pt 1, max.	2.5 mm ²
Plug gauge in accordance with EN 60999 a x b; ø		Reference text	The outside diameter of the plastic collar should not be larger than the pitch (P). Length of ferrules is to be chosen depending on the product and the rated voltage.
	2.8 mm x 2.0 mm; 2.4 mm		

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Technical data**Rated data acc. to IEC**

tested acc. to standard

IEC 60664-1, IEC 61984

Rated current, max. number of poles
(Tu=20°C)

17 A

Rated current, max. number of poles
(Tu=40°C)

11 A

Rated voltage for surge voltage class /
pollution degree III/2

630 V

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

6,000 V

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

6 kV

Rated current, min. number of poles
(Tu=20°C)

15 A

Rated current, min. number of poles
(Tu=40°C)

15 A

Rated voltage for surge voltage class /
pollution degree II/2

800 V

Rated voltage for surge voltage class /
pollution degree III/3

500 V

Rated impulse voltage for surge voltage
class/ pollution degree III/2

6 kV

Short-time withstand current resistance

3 x 1s with 120 A

Rated data acc. to CSA

Rated voltage (Use group B / CSA)

300 V

Rated current (Use group B / CSA)

15 A

Wire cross-section, AWG, min.

AWG 26

Rated voltage (Use group D / CSA)

300 V

Rated current (Use group D / CSA)

10 A

Wire cross-section, AWG, max.

AWG 12

Rated data acc. to UL 1059

Rated voltage (Use group B / UL 1059)

300 V

Rated current (Use group B / UL 1059)

10 A

Wire cross-section, AWG, min.

AWG 26

Rated voltage (Use group D / UL 1059)

300 V

Rated current (Use group D / UL 1059)

10 A

Wire cross-section, AWG, max.

AWG 12

Packing

Packaging

Box

VPE length

0 mm

VPE width

0 mm

VPE height

0 mm

Classifications

ETIM 6.0

EC002638

ETIM 8.0

EC002638

ETIM 10.0

EC002638

ECLASS 9.1

27-44-03-09

ECLASS 11.0

27-46-02-02

ECLASS 13.0

27-46-02-02

ECLASS 15.0

27-46-02-02

ETIM 7.0

EC002638

ETIM 9.0

EC002638

ECLASS 9.0

27-44-03-09

ECLASS 10.0

27-44-03-09

ECLASS 12.0

27-46-02-02

ECLASS 14.0

27-46-02-02

Environmental Product Compliance

RoHS Compliance Status

Compliant without exemption

REACH SVHC

No SVHC above 0.1 wt%

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www.weidmueller.com**Technical data****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 • Gold-plated contact surfaces on request • Rated current related to rated cross-section & min. No. of poles. • Wire end ferrule without plastic collar to DIN 46228/1 • Wire end ferrule with plastic collar to DIN 46228/4 • P on drawing = pitch • 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. • 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 °C and maximum humidity 70%, 36 months

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Drawings

Technical drawing of a 4-pole motor. The drawing shows a side view of the motor with four poles labeled 1, 2, 3, and 4. Dimensions are provided in inches and millimeters. The total width is 13.9 inches (353 mm). The distance between the centers of the poles is 0.547 inches (14 mm). The height of the motor is 18.35 inches (466 mm). The distance from the base to the center of the poles is 0.122 inches (3 mm). The distance from the base to the top of the motor is 6.95 inches (177 mm). The distance from the base to the center of the poles is 0.274 inches (7 mm). The distance from the base to the top of the motor is 6.95 inches (177 mm). The distance from the base to the center of the poles is 0.274 inches (7 mm). The distance from the base to the top of the motor is 6.95 inches (177 mm).

BLZ 7.62/..90 & 270 - SL 7.62

load current I_A [A]

ambient temperature T [°C]

A = 2 pos.
 B = 12 pos.
 C = 2.5 mm² (H07V-K2.5 / IEC 60947-1)

Ambient Temperature T [°C]	Load Current I_A [A] (A = 2 pos.)	Load Current I_A [A] (B = 12 pos.)
0	18	15
30	15	12
40	14	11
85	10	7
100	0	0