WATERPROOF CONNECTOR SERIES

ELC-M685-E

IP68 Multi-Pole Waterproof Connector



IP	IEC/NSW	VAC	POLES
IP68	24 A	450 VAC	2P/3P/4P/5P

ELC-M685-E is an IP68 waterproof connector available with 2, 3, 4 or 5 poles. Its model-specific datasheet states an IEC/NSW rating of 24 A / 450 VAC, a 0.5-2.5 mm² conductor range and seal options for cable outer diameters up to 14 mm.

Prepared from the model-specific datasheet and reference drawing.

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Technical data

Model code	ELC-M685-E
Connection type	Screwless lever-operated quick connection; cable-to-cable / cable-to-board
Protection rating	IP68
Pole / pin options	2P / 3P / 4P / 5P
Rating (IEC/NSW)	24 A / 450 VAC
Rating (ETL)	10 A / 300 VAC
Conductor size (Europe / Australia)	0.5-2.5 mm²
Conductor type / size (USA)	SJOW 14-18 AWG
Cable entries	2 × M25
Suitable cable outer diameter	4-8 mm / 8-12 mm / 10-14 mm
Housing characteristic	Flame-retardant; UL94V-2
Temperature class	T105
Dimensions (cable-to-cable, reference)	131.8 × 31.5 mm
Water test stated in the datasheet	20 m / 150 hours
Approvals / compliance stated in the datasheet	ENEC, CE, UKCA, ETL, NSW, CB, RoHS

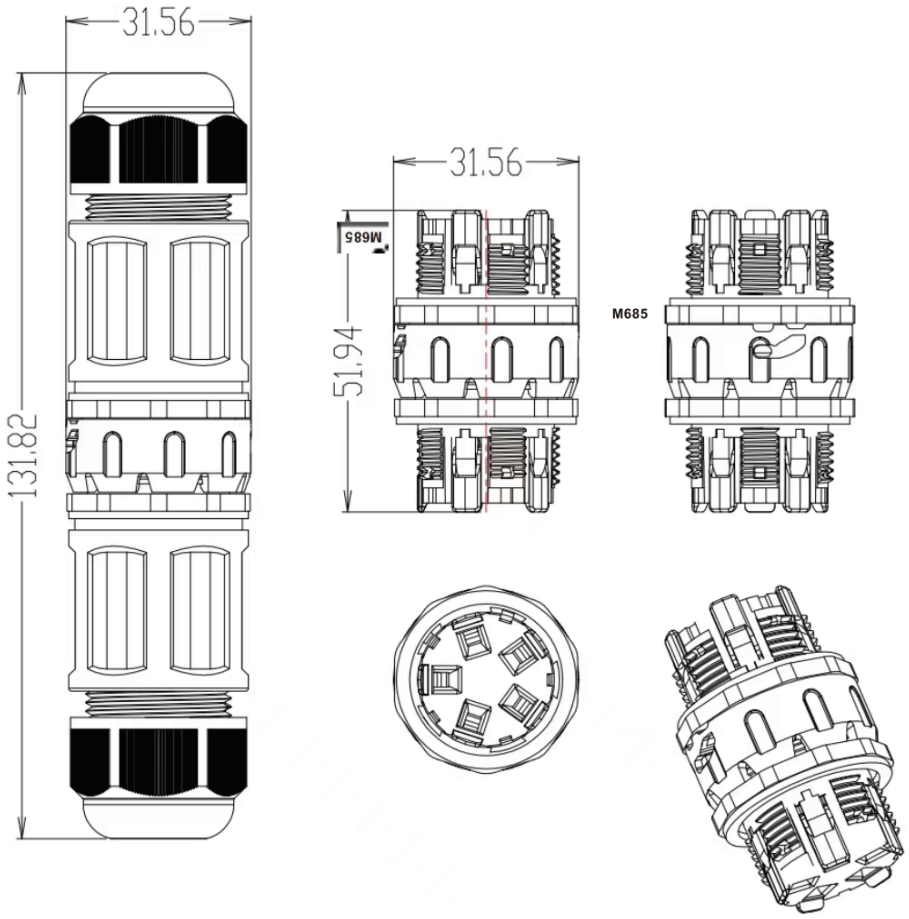
Seal and cable-entry options

Option	Seal aperture	Round rubber cable outer diameter
1	8 mm	4-8 mm
2	12 mm	8-12 mm
3	14 mm	10-14 mm

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Technical drawing

ELC-M685-E



Dimensions are in mm. The view is reproduced from the reference drawing for this model. Refer to the drawing for details and tolerances.

Conditions of use

Fresh-water and underground applications, subject to the datasheet conditions.

Select the seal to suit the cable outer diameter. IP protection depends on correct assembly of the connection.

20 m / 150 hours is the test condition stated in the datasheet.

Do not use in saline or alkaline soil.

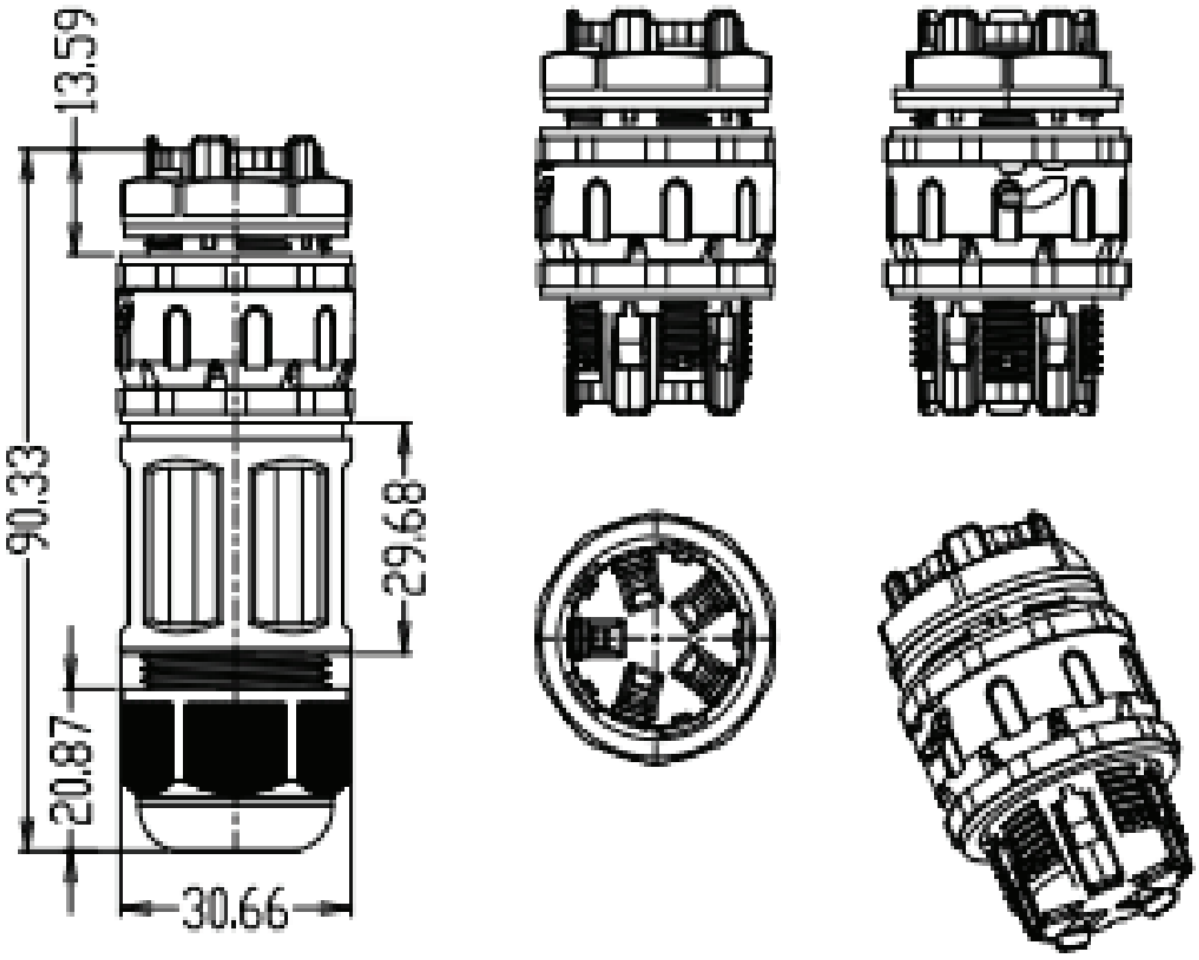
Avoid prolonged contact with oily substances or immersion in oil.

Prolonged exposure to direct sunlight is not recommended.

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Technical drawing - Cable-to-board

ELC-M685-E



Dimensions are in mm. The view is reproduced from the reference drawing for this model. Refer to the drawing for details and tolerances.

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