



LDG-M4 Compact Housing

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The LDG-M4 is a plastic housing designed for industrial applications in the field of sensors. The dimensions are according to DIN EN 50041.

The waterproofed housing can i.e. be used to protect proximityor positioning switches or other electronic circuits.

The cable is fed through into the housing by a cable gland size M20 \times 1.5.

On request the housing can be supplied in customer specific colors. Furthermore it is possible to create cut outs into the top or the housing for additional cable glands, connectors, LEDs, pressure sensors, etc.

Standard note:

DIN EN 50041 - Low voltage switchgear for industrial use; control switches; position switches 42.5×80 ; dimensions and characteristics

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LDG-M4 Compact Housig

Features





Cover with recess for printed text or rating plate (max. $49 \times 38 \text{ mm}$).

An area of 40×30 mm can be used for cut outs e.g. for connectors or LED-displays.

Note

The parts used have to meet IP 65/67 standards in conjunction with the housing.



Cover with water- and oil-proof seal and fixing screws. The use of metal thread inserts results in a robust long-life assembly (M3).



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Tel.: (+34) 902 450 160 Fax: (+34) 902 433 088 info@ermec.com www.ermec.com Wall mounting is enabled by 2 diagonal arranged screw holes. The mounting grid is 60 x 30 mm. The screw holes are suitable for cylinder head screw size M5 x 40 (including usable thread length of 10 mm)

PCB fixation with 2 diagonal arranged screw holes for self-tapping screws (suitable for plastic, size 2.5 , max. torque have to be noted)

In conjunction with a 1.6 mm thick pcb, a self-tapping screw 2.5×6 can be used.

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Technical data				
Outside dimensions	LxWxH	94 x 42 x max. 46 mm		
Cable gland size		M20 x 1.5		
Screw-mounting grid	DIN EN 50041	60 x 30 mm		
Protection class	EN 60529	IP 65/67 complete assembled system		
Assembly height Component side	PCB thickness 1.6 mm	max. 30 mm		
Assembly height Solder side	PCB thickness 1.6 mm	max. 4.5 mm		
Temperature range		-20 bis +70 °C		
Material				
Housing with M3 thread insert	grey RAL 7032	Makrolon 8035 30% GF UL94 V-1		
Тор	grey RAL 7032 transparent	Makrolon 8035 30% GF (UL94 V-1) Makrolon 2805 (UL94 V-2)		
Sealing gasket		CR Neoprene		
Cable gland	M20 x 1.5	Brass with Ni plating		
PCB thinkness	recommended	1.6 mm		
Locking Torque				
Cover screw connection M3		max. 0.4 Nm		
PCB-fastening Screw size 2.5 x 6		max. 0.25 Nm		
Wall fastening M5 x 40		max. 1.0 Nm		

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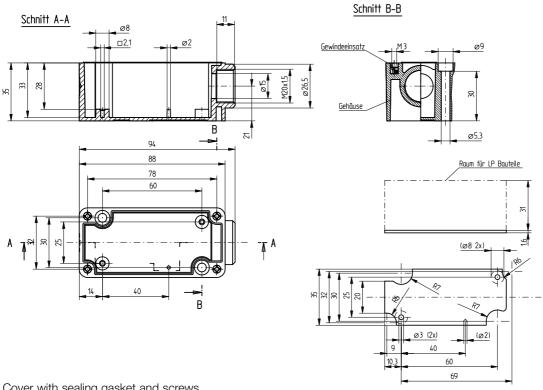
LDG-M4 **Compact Housing**

Dimensions And Ordering Information

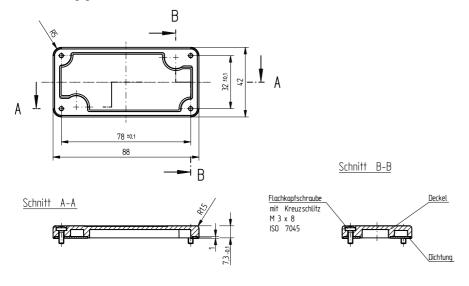


Dimensions

Cover with thread insert



Cover with sealing gasket and screws



Ordering Information

Description	Color	Quantity	Part Number
Housing with thread insert M3	grey	1	194564
Cover including sealing gasket and screws	grey	1	424345
Cover including sealing gasket and screws	transparent	1	424394
Cable gland M20 x 1.5 including		1	224885





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