

ELECTRICAL SOCKET

SD 035



- > Quickly connected
- > Available with or without fuse

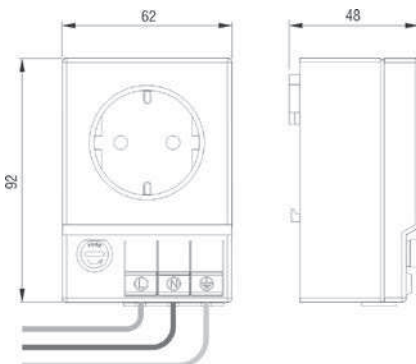
> Clip fixing

The DIN rail mounted electrical socket can be quickly fitted and connected in enclosures allowing the use of auxiliary products such as hand lamps, measuring devices, soldering irons etc. The unit is available with and without fuse and in many world socket standards.

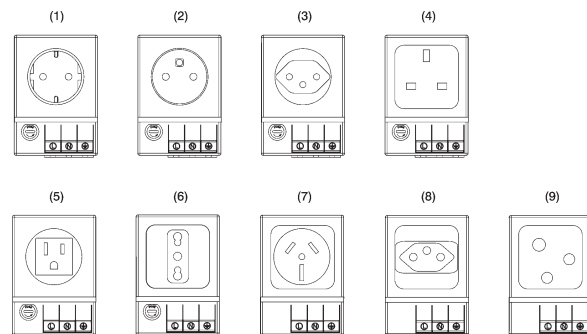


TECHNICAL DATA

Connection	3 x pressure clamps for stranded and rigid wire 0.5 - 2.5mm ²
Mounting	clip for 35mm DIN rail, EN 60715
Casing	plastic according to UL94 V-0, light grey
Dimensions	92 x 62 x 48mm
Weight	approx. 0.2kg
Fitting position	variable
Operating/Storage temperature	-45 to +70°C (-49 to +158°F)
Operating/Storage humidity	max. 90% RH (non-condensing)
Protection type/Protection class	IP20 / I (earthed)



Connections from mains



Art. No.	Operating voltage max.	Socket	Model	Nominal current	Approvals
03500.0-00	250VAC	Germany/Russia (1)	with fuse ¹	6.3A	EAC
03500.0-01	250VAC	Germany/Russia (1)	without fuse	16.0A	EAC
03501.0-00	250VAC	F/PL/CZ/SK (2)	with fuse ¹	6.3A	-
03501.0-01	250VAC	F/PL/CZ/SK (2)	without fuse	16.0A	-
03502.0-00	250VAC	Switzerland (3)	with fuse ¹	6.3A	-
03502.0-01	250VAC	Switzerland (3)	without fuse	10.0A	-
03503.0-00	250VAC	UK/Ireland (4)	with fuse ¹	6.3A	-
03503.0-01	250VAC	UK/Ireland (4)	without fuse	13.0A	-
03504.0-00	125VAC	USA/Canada (5)	with fuse ¹	6.3A	UL File No. E222026
03504.0-01	125VAC	USA/Canada (5)	without fuse	15.0A	UL File No. E222026
03505.0-00	250VAC	Italy (6)	with fuse ¹	6.3A	-
03505.0-01	250VAC	Italy (6)	without fuse	16.0A	-
03507.0-01	240VAC	Australia (7)	without fuse	10.0A	-
03508.0-01	250VAC	Brazil (8)	without fuse	10.0A	-
03509.0-01	250VAC	Old British - BS 546 (9)	without fuse	5.0A	-

¹ fuse Ø 5 x 20mm

PRESSURE COMPENSATION DEVICE

DA 084 | IP55



Photo: Inside view

- > High degree of protection
- > Easy to install

It has become more and more important to provide a protected enclosure environment for valuable and crucial electrical and electronic components. In a tightly closed enclosure, pressure differentials can occur during extreme temperature variations. The specially designed pressure compensation device DA 084 permits a controlled change in pressure and avoids the entering of dust and water. The pressure compensation device is suitable for the use in enclosures and housings in accordance with DIN EN 62208.

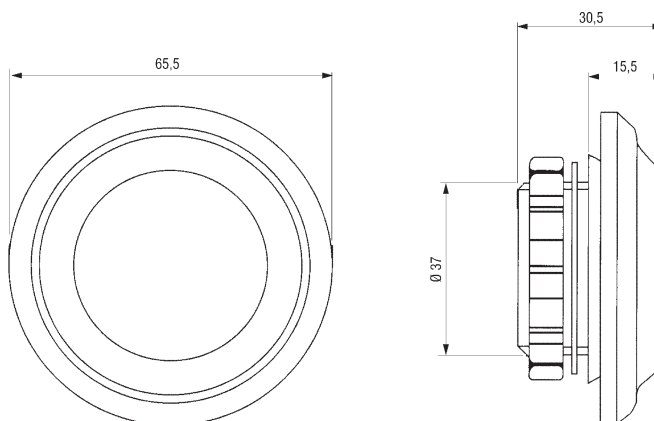


TECHNICAL DATA

Mounting	PG 29 thread with union nut
Torque	5Nm (max. 10Nm)
Material	plastic according to UL94 V-0, light grey weather proof and UV light resistant according to UL746C (f1)
Sealing	sealing gasket NBR
Air interface	approx. 1.5cm ²
Dimensions	Ø 65,5 x 30,5mm
Fitting position	vertical ¹
Operating/Storage temperature	-45 to +70°C (-49 to +158°F)
Approvals	EAC

¹ Protection type is restricted to IP54 if fitting position of DA 084 is not vertical.

Installation: Make cut-out Ø 37*mm in enclosure wall and mount pressure compensation device with nut. Please make sure that the sealing gasket is put in place on the outer side panel of the enclosure. For optimal pressure compensation we recommend to use two devices on opposite sides towards the top of the enclosure.



Art. No.	Protection type	1 packing unit	Weight (approx.)
08400.0-03	IP55	2 pieces	62g (31g/piece)

PRESSURE COMPENSATION DEVICE

DA 284 | IP66 / IP68



Photo: DA 284, M40



Photo: DA 284, M12

- > High degree of protection
- > Waterproof membrane

> Easy to install

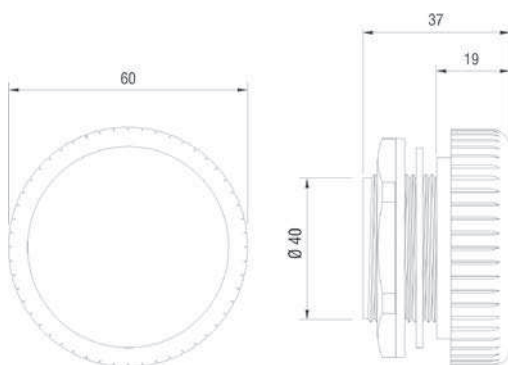
Pressure differentials in enclosures with a high degree of protection are a result of internal and external temperature changes. In the case of negative pressure or partial vacuum, dust and humidity can enter the enclosure through the door seal. When the air inside the enclosure cools down, condensation may occur because the humidity cannot escape the enclosure. The easy-to-install pressure compensation device DA 284 provides compensation of pressure at a protection degree of IP66 (M12: IP68). Even with a slight overpressure, a waterproof membrane inside the plug allows the humidity to escape whilst blocking water and dirt from entering the enclosure.



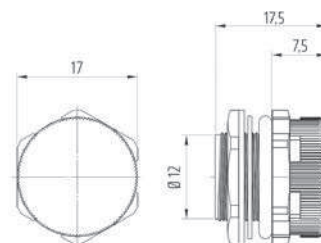
TECHNICAL DATA

Mounting	thread M40 x 1.5 or M12 x 1.5 with nut
Torque	M40: 5Nm (max. 10Nm), M12: 0.5Nm (max. 1Nm)
Depth in enclosure	M40: approx. 16mm, M12: approx. 8mm
Sealing	sealing gasket NBR
Filter	waterproof membrane
Dimensions	M40: Ø 60 x 37mm, M12: Ø 17 x 17.5mm
Fitting position	variable

Installation: Make cut-out Ø 40.5^{+0.5}mm in enclosure wall for size M40 or Ø 12^{+0.2}mm for size M12, and mount pressure compensation device with nut. Please make sure that the sealing gasket is put in place on the outer side panel of the enclosure. For optimal pressure compensation we recommend to use two devices on opposite sides towards the top of the enclosure.



DA 284, M40



DA 284, M12 (drawing is not proportional to M40)

Art. No.	Thread	Material	Protection type	Air permeability ¹	Operating/Storage temperature	1 packing unit	Weight (approx.)	Approvals
28400.0-00	M40 x 1.5	plastic, light grey	IP66 (EN 60529) / IPX9K (EN 40050-9)	1200 l/h	-35 to +70°C (-31 to +158°F)	2 pieces	90g (45g/piece)	- EAC
28400.0-01	M40 x 1.5	plastic, light grey	IP66 (EN 60529) / IPX9K (EN 40050-9)	1200 l/h	-35 to +70°C (-31 to +158°F)	1 piece	45g	- EAC
28405.0-00	M40 x 1.5	plastic according to UL94 V-0, light grey; weather proof and UV light resistant according to UL746C (f1)	IP66 (EN 60529) / IPX9K (EN 40050-9)	1200 l/h	-45 to +70°C (-49 to +158°F)	2 pieces	120g (60g/piece)	UL File No. E234324 EAC
28406.0-00	M12 x 1.5	plastic according to UL94 V-0, light grey; weather proof and UV light resistant according to UL746C (f1)	IP68 (EN 60529)	120 l/h	-40 to +70°C (-40 to +158°F)	2 pieces	4g (2g/piece)	UL File No. E234324 EAC

¹ at a pressure difference of min. 70 mbar

PRESSURE COMPENSATION DEVICE (STAINLESS STEEL)

DA 284 | IP66



Photo: Inside view

- > High degree of protection
 - > Waterproof membrane
- > Corrosion resistant
 - > Food safe

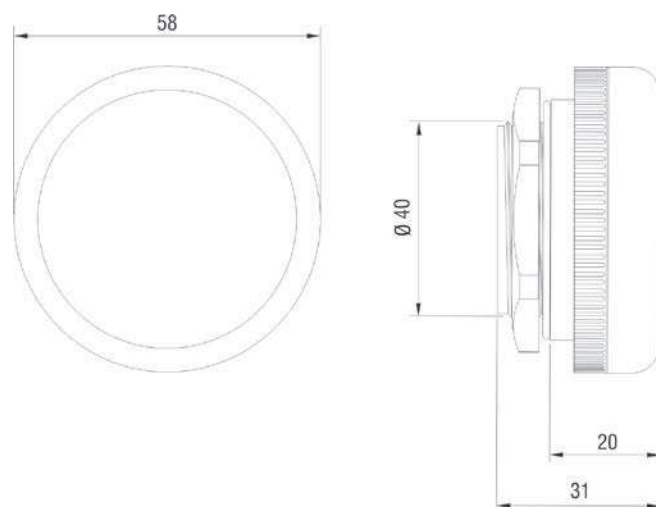
Pressure differentials in enclosures with a high degree of protection are a result of internal and external temperature changes. In the case of negative pressure or partial vacuum, dust and humidity can enter the enclosure through the door seal. When the air inside the enclosure cools down, condensation may occur because the humidity cannot escape the enclosure. The easy-to-install pressure compensation device DA 284 provides compensation of pressure at a protection degree of IP66. Even with a slight overpressure, a waterproof membrane inside the plug allows the humidity to escape whilst blocking water and dirt from entering the enclosure.



TECHNICAL DATA

Mounting	thread M40 x 1.5 with nut
Torque	5Nm (max. 10Nm)
Depth in enclosure	approx. 9mm
Sealing	sealing gasket NBR
Filter	waterproof membrane
Air permeability	1200l/h at a pressure difference of min. 70mbar
Dimensions	Ø 58 x 31mm
Fitting position	variable
Operating/Storage temperature	-45 to +80°C (-49 to +176°F)
Approvals	EAC

Installation: Make cut-out Ø 40.5^{+0.5}mm in enclosure wall and mount pressure compensation device with nut. Please make sure that the sealing gasket is put in place on the outer side panel of the enclosure. For optimal pressure compensation we recommend to use two devices on opposite sides towards the top of the enclosure.



Art. No.	Stainless steel	Protection type	1 packaging unit	Weight (approx.)
28401.0-00	V2A (DIN 1.4301 / AISI 304) ¹	IP66 (EN 60529) / IPX9K (EN 40050-9)	1 piece	0.2kg
28401.0-02	V4A (DIN 1.4404 / AISI 316L)	IP66 (EN 60529) / IPX9K (EN 40050-9)	1 piece	0.2kg

¹ V2A is not sea waterproof

VENTILATION CABLE GLAND

DAK 284 | IP66 / IP67



- > Cable gland with integrated ventilation
- > High degree of protection
- > Easy to install
- > Integrated strain relief
- > Waterproof filter
- > Large clamping range

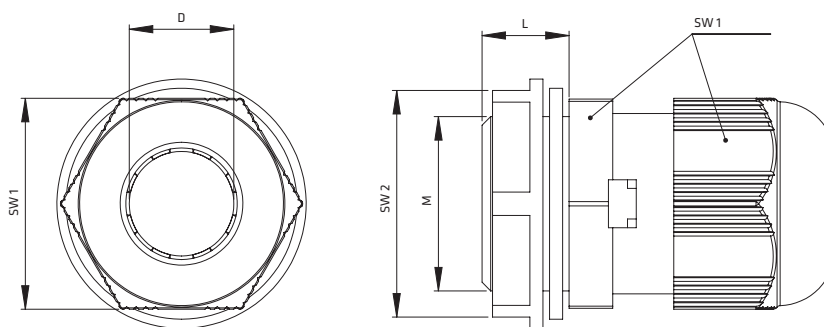
Pressure differentials in enclosures with a high degree of protection are a result of internal and external temperature changes. In the case of negative pressure or partial vacuum, dust and humidity can enter the enclosure through the door seal. When the air inside the enclosure cools down, condensation may occur because the humidity cannot escape the enclosure. The innovative and easy-to-install ventilation cable gland DAK 284 enables secure cable entry into an enclosure with simultaneous pressure compensation (protection type IP66 / IP67). Even with a slight overpressure, a waterproof filter inside the gland allows the humidity to escape whilst blocking water and dirt from entering the enclosure.



TECHNICAL DATA

Mounting	thread M12 x 1.5 / M16 x 1.5 / M20 x 1.5
Enclosure wall thickness	0.5 - 3mm with lock nut
Material	plastic, light grey
Protection type	IP66 / IP67 (EN 60529)
Sealing	sealing gasket NBR
Filter	PTFE
Fitting position	variable
Operating/Storage temperature	-20 to +80 °C (-4 to +176 °F)
Approvals	VDE, UL File No. E471430, EAC

Installation: Make cut-out in enclosure wall and mount ventilation cable gland with lock nut. Please make sure that the sealing gasket is put in place on the outer side panel of the enclosure and the hole is free of burrs.



Art. No.	Thread		Diameter	Clamping range D	Spanner sizes [mm]		Torque		Air permeability ¹	Weight
	Size M [mm]	Length L			SW 1	SW 2	Lock nut	Cap nut		
28410.0-00	M12 x 1.5	8mm	12.3mm	4 - 8mm	19	18	2Nm	2Nm	25l/h	7g
28411.0-00	M16 x 1.5	10mm	16.3mm	4 - 8mm	19	22	2Nm	2Nm	25l/h	8g
28412.0-00	M20 x 1.5	10mm	20.3mm	6 - 12mm	24	26	5Nm	5Nm	40l/h	13g

¹ at a pressure differential of 70mbar

DRAINAGE DEVICE

DD 084 | IP66 / IP67 / IP69K

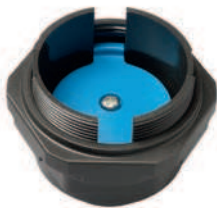


Photo: Inside view

- > High degree of protection
- > Good drainage performance
- > Easy to install

- > Robust, weather and UV-light protected housing

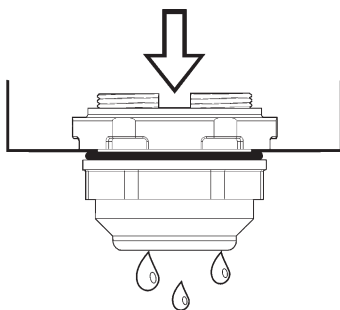
Condensate occurs in enclosures and housings with high protection type by variations in temperature. The use of a drainage device allows the conveying of the condensate without losing the maximum protection type of IP66. The water permeable membrane makes sure the drainage of the enclosure by the capillary attraction. The construction prevents the infiltration of splash water into the enclosure.



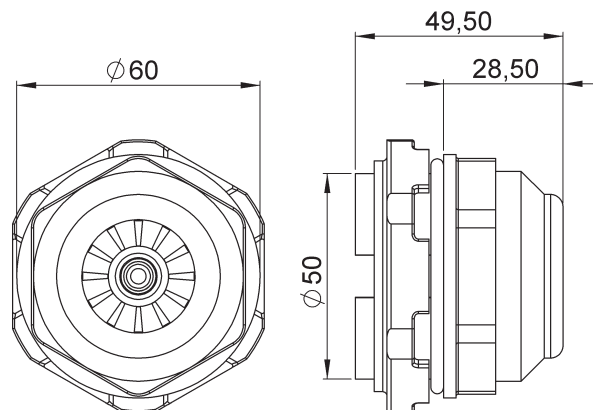
TECHNICAL DATA

Mounting	thread M50 x 1.5 with nut (wrench size 60mm, housing 50mm)
Torque	6Nm max.
Depth in enclosure	max. 17.5mm
Material	plastic according to UL94 V-0, umbra grey, weather proof and UV light resistant according UL746C (f1)
Water entry height	0mm (at 0.5mm wall thickness)
Sealing	sealing gasket NBR
Water flow-through	approx. 200 ml/h at a water column of 5mm
Dimensions	Ø 60 x 49.5 mm
Fitting position	vertical, lowest point
Operating/Storage temperature	-45 to +70°C (-49 to +158°F)
Approvals	EAC

Installation: Make cut-out Ø 50.5^{+0.5}mm in enclosure bottom and mount drainage device with nut. Please make sure that the sealing gasket is put in place on the outer side panel of the enclosure and the hole is free of burrs.



Fitting position



Art. No.	Protection type	Enclosure wall thickness	1 package unit	Weight (approx.)
08410.0-00	IP66 / IP67 (EN 60529) / IP69K (EN 40050-9)	0.5 - 5.5mm	1 piece	60g

DOOR SWITCH

DS 013



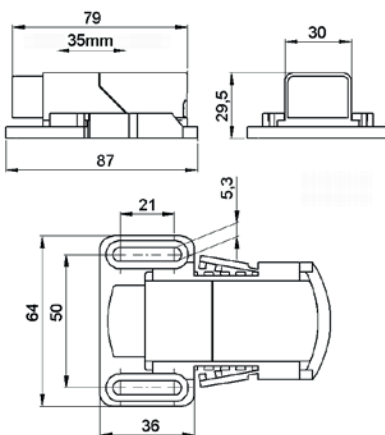
- > Adjustable positioning without tools
- > High switching capacity
- > Double strain relief
- > Different cladding diameters
- > Suitable for lamp LED 025

The door switch monitors the position of cabinet doors and is available in three versions. For example, it can be used for switching a light when opening a door (NC), or to activate a fan when closing a door (NO). The version with change-over contact (CO) can be used as a normally closed and/or normally open contact. The wide mechanical adjustment range of the door switch DS 013 offers versatile application areas: the housing is adjustable within a 35mm range, while the screw flange with a slotted hole offers an additional 21 mm. The switching travel of the switch itself is another 8mm.

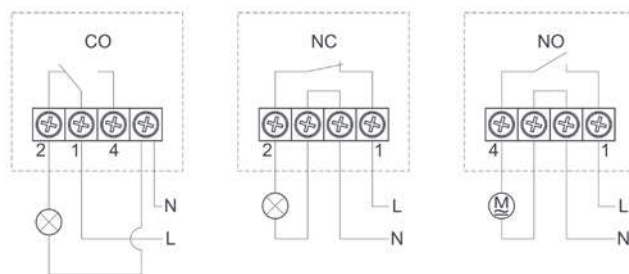


TECHNICAL DATA

Max. switching capacity	250VAC, 8 (1.5) A
Service life	VDE: > 10,000 cycles UL: > 6,000 cycles
Connection	4-pole clamp with strain relief, clamping torque 0.5Nm max.
Mounting	screw fixing (M5)
Casing	plastic according to UL94 V-0, grey/black
Dimensions	87 x 64 x 30mm
Weight	approx. 50g
Fitting position	variable
Operating/Storage temperature	-20 to +85°C (-4 to +185°F)
Operating/Storage humidity	max. 90% RH (non-condensing)
Protection type	IP20
Approvals	VDE, EAC; UL intended



Connection diagrams



Art. No.	Model	Suitable wire
01350.0-00	change-over (CO)	Cable round, stranded wire (with wire end ferrule) 0.75mm ² to 1mm ²
01351.0-00	normally closed (NC)	Cable round, stranded wire (with wire end ferrule) 0.75mm ² to 1.5mm ²
01352.0-00	normally open (NO)	Cable round, stranded wire (with wire end ferrule) 0.75mm ² to 1.5mm ²

SELF-ADHESIVE APPLIANCE HOLDER STEGOFIX

SF 095



- > Direct fixing of small appliances and 35mm DIN rails
- > Simple to mount
- > Self-adhesive

With STEGOFIX small appliances can be mounted in enclosures significantly quicker, easier and more economically than before, without drilling holes. Mounting DIN rails is a simple matter with STEGOFIX. Longer rails are mounted on several STEGOFIX units and joining two rails is also not a problem. Subsequent changes and the mounting of additional appliances can be carried out with ease – even in confined spaces. STEGOFIX is a self-adhesive plastic unit with an adhesion power which will bear a continuous load of 500g. The high-performance industrial adhesive band is also non-ageing and designed with safety tolerances.



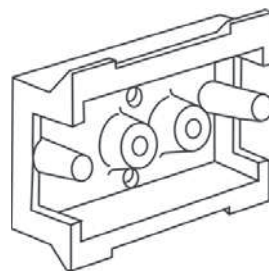
TECHNICAL DATA

Load	500g after a 24h waiting period ¹
Mounting	self-adhesive (non-ageing, high-performance adhesive band)
Material	plastic according to UL94 V-0
Dimensions	43 x 38 x 14mm
Screw pitch	12.8mm, Ø 3.6mm; for perforated 35mm DIN rails
Operating/Storage temperature	-45 to +70°C (-49 to +158°F)
Approvals	EAC

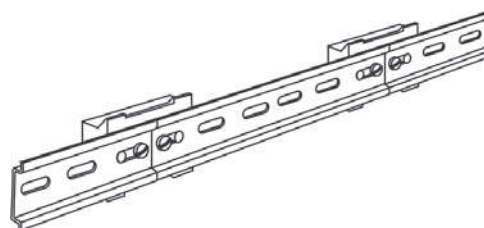
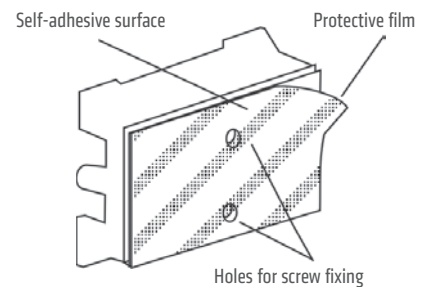
¹ depending on the conditions of use (e.g. surface condition, size of the device to be mounted, etc.) higher loads were achieved.

Installation: STEGOFIX can only be mounted on smooth surfaces, e.g. metals, lacquered surfaces and plastics (except polyethylene, polypropylene and rubber). The surfaces must be dry, free from dust, oil, separating agents and other contamination.

Application examples



STEGOFIX SF 095



Note: When using the STEGOFIX as a DIN rail holder, only DIN rails (EN 60715) with perforation 18 x 6.2mm or 18 x 5.2mm can be used.

Art. No.	1 packing unit	Weight (approx.)
09510.0-01	5 pieces	60g (12g/pc.)