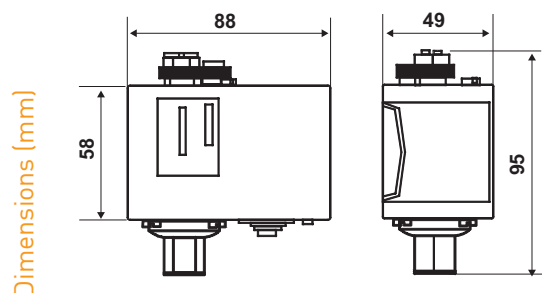


# B12CN - B12DN - B12EN

## Pressure switches up to 28 bar with adjustable differential

Pressure switches for control and regulation of all fluids and non-explosive gases. Suitable for compression plants, boilers, tanks, autoclaves, ventilation plants, lubrication plants.

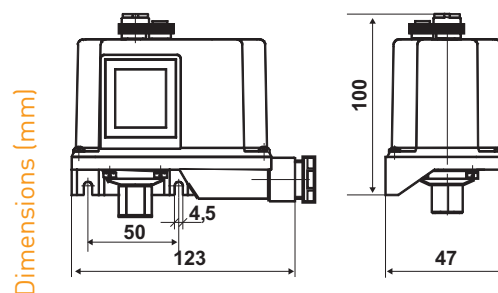


	Range bar	Differential* bar	Sensitive element max. pressure bar	Connection G 1/4	Protection degree	Availability
B12CN	-0,2 ÷ 8	0,6 ÷ 3	9	female	IP40	in stock
B12DN	5 ÷ 16	1 ÷ 3,5	18	female	IP40	in stock
B12EN	8 ÷ 28	2 ÷ 6	32	female	IP40	in stock
B12CRN	-0,2 ÷ 8	0,6 ÷ 3	9	SAE	IP40	in stock
B12ERN	8 ÷ 28	2 ÷ 6	32	SAE	IP40	in stock
B12CN4	-0,2 ÷ 8	0,6 ÷ 3	9	male	IP40	on request
B12DN4	5 ÷ 16	1 ÷ 3,5	18	male	IP40	on request

### WITH BLOCKING AND MANUAL RESET

B12CMN	1 ÷ 8	0,6 ÷ 3	9	female	IP40	on request
B12DMN	5 ÷ 16	1 ÷ 3,5	18	female	IP40	on request
B12EMN	8 ÷ 28	2 ÷ 6	32	female	IP40	on request

### WATERPROOF CASING EXECUTION

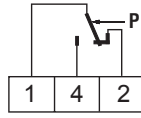


	Range bar	Differential* bar	Sensitive element max. pressure bar	Connection G 1/4	Protection degree	Availability
B12CNY	-0,2 ÷ 8	0,6 ÷ 3	9	female	IP65	in stock
B12DNY	5 ÷ 16	1 ÷ 3,5	18	female	IP65	in stock
B12ENY	8 ÷ 28	2 ÷ 6	32	female	IP65	in stock
B12CRNY	-0,2 ÷ 8	0,6 ÷ 3	9	SAE	IP65	in stock
B12ERNY	8 ÷ 28	2 ÷ 6	32	SAE	IP65	in stock

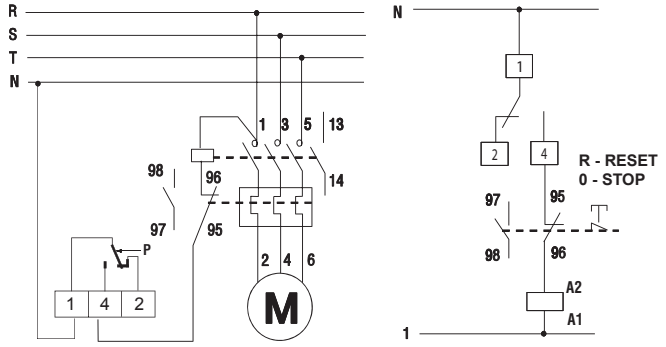
1 Bar = 100Kpa \*The differential must be deducted from the range value.

# ELECTRICAL FEATURES

Snap action SPDT microswitch, contacts in AgCdO.



## EXAMPLE OF ELECTRICAL WIRING



Nominal insulation tension	Ui	415V~	
Continuous duty nominal current	Ith	16A	
Operating nominal current le		220V~	380/415V~
Resistive load	AC-1	-	16A
Inductive load	AC-3	-	6A
Continuous current	DC-13	0,2A	-

# HOMOLOGATION AND STANDARDS

Complies with EN 60947-1 and 60947-5-1 standards.

**CE 0497**

# INSTALLATION

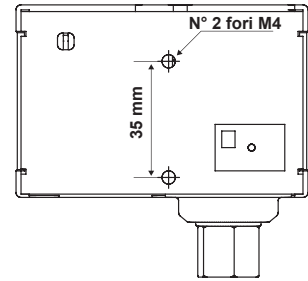
Direct installation on the pipe.

Pressure element connection G 1/4.

In case of fluid temperatures higher than the maximum allowed, connect the pressure switch to the pipe by inserting a metallic spiral between the pressure switch and the pipe to facilitate heat dispersion.

Possibility of mounting on metallic clamp, except for the waterproof casing versions.

## MOUNTING MODEL



# OPERATION

When pressure increases: 1-2 opens, 1-4 closes.

In the pressure switch with blocking and manual reset at maximum pressure, the reset takes place when the pressure is below the value set on differential.

# FEATURES

Sensitive element with stainless steel membrane, laser welded.

Metallic frame.

Cover in shockproof thermoplastic material.

Output connections with PVC cable gland.

Fixed differential.

Female connection G 1/4 (17 mm key).

Maximum temperature of the controlled fluid: 120 °C.

Pressure switch body admissible temperature: -35 ÷ 60°C.

Storage and transport temperature: -35 ÷ 60°C.

Unit weight: 0,43 Kg B12AN.

Unit weight: 0,44 Kg B12BN.

# ACCESSORIES



**303298LA**

G1/2 cable gland in V0 self-extinguishing, shockproof thermoplastic material for output connections.



**2593367**

Protection casing IP44.