Drainage element

Use

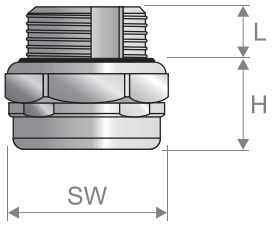
Many electro-technical housings are always protected against water and dust (IP 68) but are not gastight. This results in access by humidity which condenses if below the dew point line. The water which is present often leads to corrosion and malfunctions. In order to prevent differences in pressure, high levels of humidity and the formation of condensation in the housing, there must always be constant pressure equalization and air exchange.
The pressure balance and drainage elements in electrical and electronics housings prevent pressure differences, temperature variations and formation of condensation. Drainage elements are designed to allow bigger quantities of water to drain away quickly. In case of thin-walled housings, drainage lock nut are required.

Technical data

Characteristics	Value/property
Material	Nickel-plated brass
Filter disc material	Stainless steel A2
O-ring material	NBR
Temperature range	-50°C, +110°C
Protection class	IP 4x

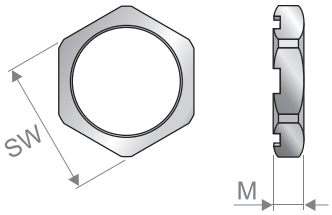
Coding and dimensions

Drainage element



Code	Thread	Tightening key SW [mm]	Sizes [mm]		Packaging [pcs]
			H	L	
PCSMD1_M012	M12x1,5	18	9,5	10,0	25
PCSMD1_M016	M16x1,5	18	9,5	10,0	20
PCSMD1_M020	M20x1,5	22	10,0	10,0	20

Lock nut for drainage element



Code	Thread	Tightening key SW [mm]	Sizes [mm]	Packaging [pcs]
			M	
PCFMS1_M012	M12x1,5	15	4,5	25
PCFMS1_M016	M16x1,5	19	5,5	20
PCFMS1_M020	M20x1,5	24	5,5	20