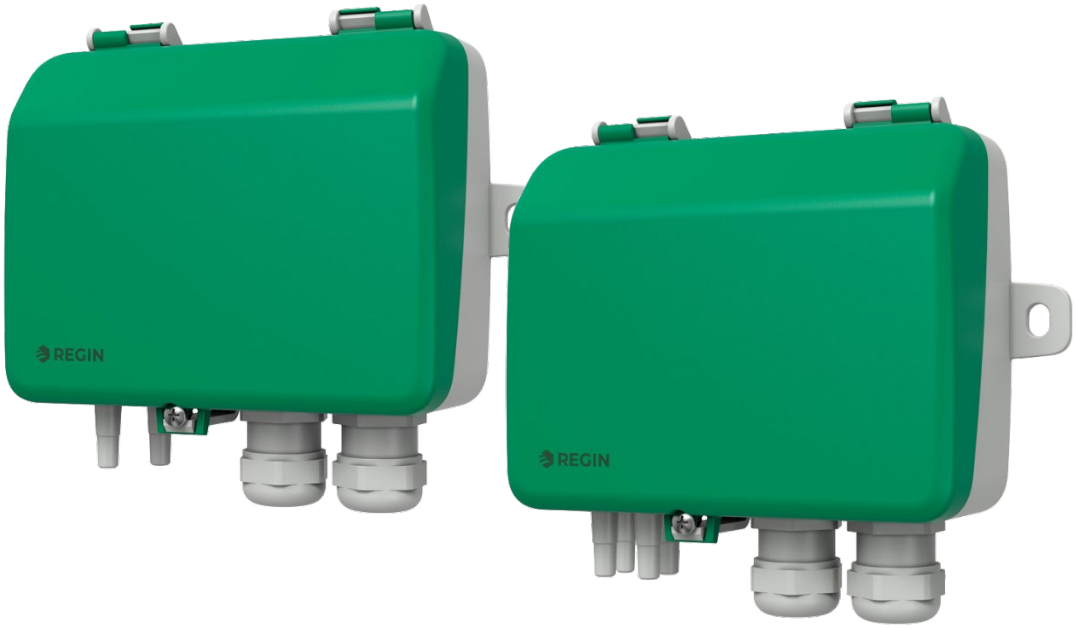
Environmental Declaration - Type II (ISO 14021) REGIN

Name of Product(s) / Product Art.no

PDT12
PDT12C
PDT12C-2
PDT12S25-2
PDT12S25C-2
PDT12S75-2
PDT12S75C-2
PDT25
PDT25C
PDT25C-2
PDT75
PDT75C



COMPANY INFORMATION

Description

Regin is the collected trademark for products and systems in building automation. The company's knowledge is based on many years of wide experience in control, automation and flow control.

AB Regin has a certified quality assurance system according to ISO 9001.

Company: AB Regin
Post: Sweden, Box 116, 428 22, Kållered
Phone: +46 – (0)31 720 02 00
E-mail: info@regin.se
Website: https://www.regincontrols.com

Environmental policy

Regin develops products both on a commissioned basis and for general market distribution. Environmental considerations are integrated into product development processes and supplier and component selection.

PRODUCT INFORMATION

General

The recommended field of application is stated in the technical documentation.

There is an unambiguous and lasting label (manufacturer, product name, serial number etc) on the product.

The labelling is linked to the technical documentation which makes the product clearly identifiable.

Country of origin: Sweden

USAGE

Normal operation

The product does not have any environmental impact on the surrounding environment during normal operation.

Please visit our website for products technical documents, installation or user manuals.

Waste management

The product is prepared for environmental-friendly dismantling and sorts according to the WEEE-directive. The long lifespan of the product means that the recycling situation may differ from when the product is acquired and to be recycled.

The product is required, by law, to be handled according to standard waste management procedures. The materials can easily be separated to a high separation degree.

Dismantling of the product: separate the plastic, metals and electronic parts and recycle at appropriate facility and according to local laws.

Packaging

Cardboard box: 61g (single-sensor models), 77g (dual-sensor models)

Technical documents: 10g

Disposal: Recyclable, disposes according to local law.

METHODOLOGICAL ASSUMPTIONS

Weight tolerance

All stated total weights in this document are subject to a tolerance of ±3%.

Cut-off rules

Certain minor materials used in electronic products, such as solder and product labels, are excluded from the weight breakdown due to their insignificant contribution to total weight and limited data relevance. All reasonable efforts have been made to ensure that these exclusions do not lead to misleading environmental information.

Data availability

Underlying material data and weight measurements are documented internally and available upon request.

Material identification limitations

Certain polymer components are proprietary thermoplastic elastomer compounds. For these materials, no single CAS number is applicable. Material identification is therefore provided at polymer family level based on supplier regulatory documentation.

Component modules & materials

Subcomponents in different models

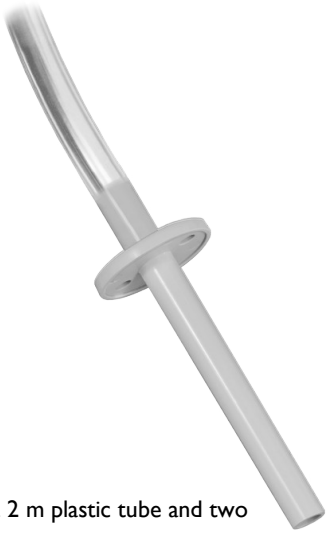
Components	CAS nr	PDT12 Weight (g)	PDT12 Weight (%)	PDT12C Weight (g)	PDT12C Weight (%)	PDT12C-2 Weight (g)	PDT12C-2 Weight (%)
Housing		**101,00**	**76,79%**	**101,00**	**73,71%**	**138,00**	**78,58%**
Polycarbonate	25766-59-0	84,00	63,86%	84,00	61,31%	119,00	67,76%
Polyamide	63428-83-1	12,00	9,12%	12,00	8,76%	12,00	6,83%
EPDM rubber	308064-28-0	1,00	0,76%	1,00	0,73%	2,00	1,14%
Thermoplastic Elastomer (TPE), proprietary compound		2,00	1,52%	2,00	1,46%	4,00	2,28%
Steel		2,00	1,52%	2,00	1,46%	1,00	0,57%
Electronics		**30,53**	**23,21%**	**36,02**	**26,29%**	**37,62**	**21,42%**
Connectors		4,84	3,68%	9,90	7,23%	9,90	5,64%
LEDs		0,17	0,13%	0,26	0,19%	0,26	0,15%
Passive Components		2,75	2,09%	2,49	1,82%	2,49	1,42%
Power and Circuit Protection		0,08	0,06%	0,16	0,11%	0,16	0,09%
Printed Circuit Board		19,00	14,45%	19,38	14,14%	19,38	11,03%
Electromechanical		1,10	0,84%	1,10	0,80%	1,10	0,63%
Semiconductors		0,99	0,75%	1,14	0,83%	1,14	0,65%
Sensors		1,60	1,22%	1,60	1,17%	3,20	1,82%
Total product weight		**131,53**		**137,02**		**175,62**	
Accessories*		**51,00**		**51,00**		**102,00**	
PVC	9002-86-2	44,00	86,27%	44,00	86,27%	88,00	86,27%
ABS	9003-56-9	5,00	9,80%	5,00	9,80%	10,00	9,80%
Steel		2,00	3,92%	2,00	3,92%	4,00	3,92%
Total bundle weight		**182,53**		**188,02**		**277,62**	

* The PDT series is supplied bundled with one or two ANS-20 accessories, consisting of a 2 m plastic tube and two straight pressure outlets.

Component modules & materials

Subcomponents in different models

Components	CAS nr	PDT12S25-2 Weight (g)	PDT12S25-2 Weight (%)	PDT12S25C-2 Weight (g)	PDT12S25C-2 Weight (%)	PDT12S75-2 Weight (g)	PDT12S75-2 Weight (%)
Housing		**103,00**	**74,38%**	**103,00**	**73,25%**	**103,00**	**74,38%**
Polycarbonate	25766-59-0	84,00	60,66%	84,00	59,74%	84,00	60,66%
Polyamide	63428-83-1	12,00	8,67%	12,00	8,53%	12,00	8,67%
EPDM rubber	308064-28-0	1,00	0,72%	1,00	0,71%	1,00	0,72%
Thermoplastic Elastomer (TPE), proprietary compound		4,00	2,89%	4,00	2,84%	4,00	2,89%
Steel		2,00	1,44%	2,00	1,42%	2,00	1,44%
Electronics		**35,48**	**25,62%**	**37,62**	**26,75%**	**35,48**	**25,62%**
Connectors		7,05	5,09%	9,90	7,04%	7,05	5,09%
LEDs		0,17	0,13%	0,26	0,19%	0,17	0,13%
Passive Components		2,87	2,07%	2,49	1,77%	2,87	2,07%
Power and Circuit Protection		0,12	0,09%	0,16	0,11%	0,12	0,09%
Printed Circuit Board		19,00	13,72%	19,38	13,78%	19,00	13,72%
Electromechanical		1,85	1,34%	1,10	0,78%	1,85	1,34%
Semiconductors		1,22	0,88%	1,14	0,81%	1,22	0,88%
Sensors		3,20	2,31%	3,20	2,28%	3,20	2,31%
Total product weight		**138,48**		**140,62**		**138,48**	
Accessories*		**102,00**		**102,00**		**102,00**	
PVC	9002-86-2	88,00	86,27%	88,00	86,27%	88,00	86,27%
ABS	9003-56-9	10,00	9,80%	10,00	9,80%	10,00	9,80%
Steel		4,00	3,92%	4,00	3,92%	4,00	3,92%
Total bundle weight		**240,48**		**242,62**		**240,48**	



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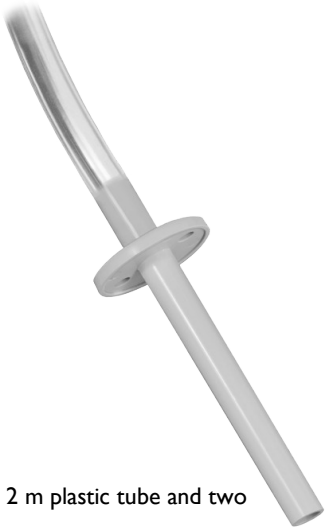
Component modules & materials

Subcomponents in different models

Components	CAS nr	PDT12S75C-2 Weight (g)	PDT12S75C-2 Weight (%)	PDT25 Weight (g)	PDT25 Weight (%)	PDT25C Weight (g)	PDT25C Weight (%)
Housing		**103,00**	**73,25%**	**101,00**	**76,79%**	**101,00**	**73,71%**
Polycarbonate	25766-59-0	84,00	59,74%	84,00	63,86%	84,00	61,31%
Polyamide	63428-83-1	12,00	8,53%	12,00	9,12%	12,00	8,76%
EPDM rubber	308064-28-0	1,00	0,71%	1,00	0,76%	1,00	0,73%
Thermoplastic Elastomer (TPE), proprietary compound		4,00	2,84%	2,00	1,52%	2,00	1,46%
Steel		2,00	1,42%	2,00	1,52%	2,00	1,46%
Electronics		**37,62**	**26,75%**	**30,53**	**23,21%**	**36,02**	**26,29%**
Connectors		9,90	7,04%	4,84	3,68%	9,90	7,23%
LEDs		0,26	0,19%	0,17	0,13%	0,26	0,19%
Passive Components		2,49	1,77%	2,75	2,09%	2,49	1,82%
Power and Circuit Protection		0,16	0,11%	0,08	0,06%	0,16	0,11%
Printed Circuit Board		19,38	13,78%	19,00	14,45%	19,38	14,14%
Electromechanical		1,10	0,78%	1,10	0,84%	1,10	0,80%
Semiconductors		1,14	0,81%	0,99	0,75%	1,14	0,83%
Sensors		3,20	2,28%	1,60	1,22%	1,60	1,17%
Total product weight		**140,62**		**131,53**		**137,02**	
Accessories*		**102,00**		**51,00**		**51,00**	
PVC	9002-86-2	88,00	86,27%	44,00	86,27%	44,00	86,27%
ABS	9003-56-9	10,00	9,80%	5,00	9,80%	5,00	9,80%
Steel		4,00	3,92%	2,00	3,92%	2,00	3,92%
Total bundle weight		**242,62**		**182,53**		**188,02**	



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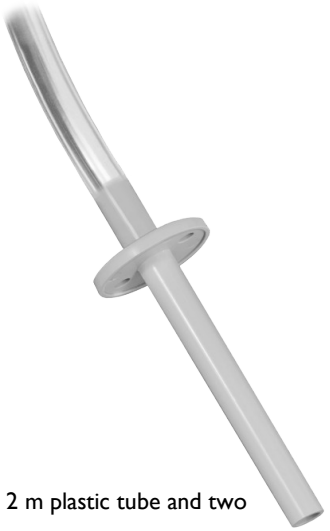
Component modules & materials

Subcomponents in different models

Components	CAS nr	PDT25C-2 Weight (g)	PDT25C-2 Weight (%)	PDT75 Weight (g)	PDT75 Weight (%)	PDT75C Weight (g)	PDT75C Weight (%)
Housing		**103,00**	**73,25%**	**101,00**	**76,79%**	**101,00**	**73,71%**
Polycarbonate	25766-59-0	84,00	59,74%	84,00	63,86%	84,00	61,31%
Polyamide	63428-83-1	12,00	8,53%	12,00	9,12%	12,00	8,76%
EPDM rubber	308064-28-0	1,00	0,71%	1,00	0,76%	1,00	0,73%
Thermoplastic Elastomer (TPE), proprietary compound		4,00	2,84%	2,00	1,52%	2,00	1,46%
Steel		2,00	1,42%	2,00	1,52%	2,00	1,46%
Electronics		**37,62**	**26,75%**	**30,53**	**23,21%**	**36,02**	**26,29%**
Connectors		9,90	7,04%	4,84	3,68%	9,90	7,23%
LEDs		0,26	0,19%	0,17	0,13%	0,26	0,19%
Passive Components		2,49	1,77%	2,75	2,09%	2,49	1,82%
Power and Circuit Protection		0,16	0,11%	0,08	0,06%	0,16	0,11%
Printed Circuit Board		19,38	13,78%	19,00	14,45%	19,38	14,14%
Electromechanical		1,10	0,78%	1,10	0,84%	1,10	0,80%
Semiconductors		1,14	0,81%	0,99	0,75%	1,14	0,83%
Sensors		3,20	2,28%	1,60	1,22%	1,60	1,17%
Total product weight		**140,62**		**131,53**		**137,02**	
Accessories*		**102,00**		**51,00**		**51,00**	
PVC	9002-86-2	88,00	86,27%	44,00	86,27%	44,00	86,27%
ABS	9003-56-9	10,00	9,80%	5,00	9,80%	5,00	9,80%
Steel		4,00	3,92%	2,00	3,92%	2,00	3,92%
Total bundle weight		**242,62**		**182,53**		**188,02**	



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