



PDS03 EXPLOSION DETECTOR

Technical data sheet

Application

The PDS explosion sensor is used in explosion suppression systems and active explosion isolation systems with fast knife-edge valves. The PDS sensor responds to a pressure rise and activates when the preset pressure threshold is reached. It is equipped with a mechanical locking system that prevents automatic reset and an indicator light that shows the status.



PDS03-GL

General characteristics

Type	PDS03-DL	PDS03-GL
Protection class	IP65	IP65
Temperature range		
...Process side	-20°C to +90°C ⁽¹⁾	-20°C to +90°C
...Ambient side	-20°C to +40°C	-20°C to +40°C
Activation pressure	50, 70 of 100 mbar +/-10%	50, 70 of 100 mbar +/-10%
Weight	1,5 kg	1,5 kg
Dimensions	Height 93 x Ø153 mm	Height 93 x Ø153 mm
Hole diameter	Ø106 mm	Ø106 mm
Installation in ATEX	Zone 22,21	Zone 1,2
Marking ATEX	II 1/2D Ex ta/tb IIIC T85°C Da/Db IP65	II 2G Ex d e IIC Gb
Connection	Multipoint connector	Ex gland with 3m cable
Construction		
...Housing	Polypropylene	Polypropylene
...Membrane	Stainless steel AISI304	Stainless steel AISI304
...Flange	AISI304 or MS	AISI304 or MS

⁽¹⁾ other optional temperature ranges up to +140°C

