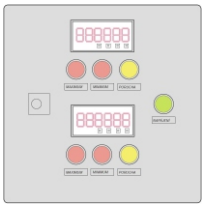
Radar Level Detector Set RSH-03

Certificate: ATEX

VEGAPULS 67



RSH-03-RM

Technical parameters:

Probe design	II 1/2 D
Measuring range	Adjustable up to 15 m
Probe ingress protection	IP66/67
Dimension	Aerial diameter 115 mm Height 239 mm
Probe weight	0.7 kg
Design of the Ex part of the cabinet	II (1) GD[Ex ia] II C
Supply voltage	230 VAC 50Hz
Power input	26 VA
Output signal	2 x 4-20mA 6 x relays 12A 250VAC
Temperature range	0°C to +40°C
Relative humidity	85%
Cabinet ingress protection	IP 65
Dimensions	300x300x210mm
Cabinet weight	8.5 kg

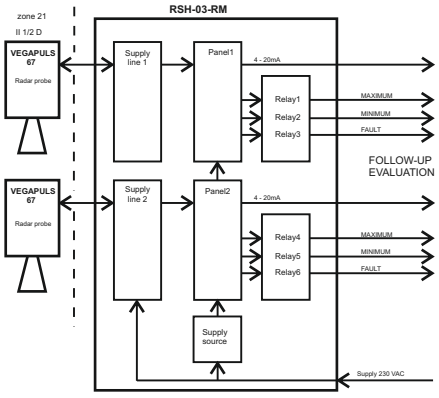
Application:
The radar level detector set RSH-03 is intended for the use in spaces with a higher combustible dust explosion hazard. The set measures the level of loose materials in a contactless manner (the level, depth, height) in reservoirs and containers.

Description and Functions:
The radar level detector set RSH-03 consists of a VEGAPULS 67 radar probe, a distribution cabinet RSH-03-RH with evaluation electronics and displays. The radar probe is made with a plastic horn antenna.

The distribution cabinet for electronics is a standard-type product and is intended for connecting two radar probes. Radar probes are connected to the distribution cabinet via the current loop of 4-20 mA with the spark-proof design. The current loop also serves for feeding radar probes. The spark-proof circuits are separated from the other circuits with a barrier on the terminal block. On the front side of the distribution cabinet there are panel metering devices for displaying the measured quantity and signal lights of limit statuses and the supply voltage presence.

The current loop 4-20 mA corresponding to the measured level and three relay contacts for signalling limit statuses are the outputs from the distribution cabinet for each of the connected radar probes. The status of the contact is at the same time displayed by signal lights on the front panel. The maximum level, the minimum level and potential fault of the radar probe measuring are signalled.

The values for switching the limit relay outputs (MAXIMUM, MINIMUM, FAULT) are set by means of four pushbuttons on the front panel of the processor panel meter. The radar probe parameters (measuring range, attenuation etc.) are set via the connected PC with the installed SW PACTware. The radar probe can also be set by means of the display and setting PLICSCOM module which can be placed into the head of the radar probe.



Connection block diagram

The catalogue has only those selected important parameters for your final decision. For project designs always ask for the user's guide for this product and any engineering consultation about possible uses.

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