

Limit switch for liquids, pastes LS 6300

... for level detection or dry-run protection,
with integrated contact output



- for universal use, immune to adhesive substances and foam
- no pipe blockages, no pressure drop
- location-independent function
- hygienic installation
- fast response time
- installation in pipes sized DN 15 and higher

Variable area flowmeters

Vortex flowmeters

Flow controllers

Electromagnetic flowmeters

Ultrasonic flowmeters

Mass flowmeters

Level measuring instruments

Communications technology

Engineering systems & solutions

Switches, counters, displays and recorders

Heat metering

Pressure and temperature

The **LS 6300** is a limit switch designed for level detection and dry-run for pipes sized DN 15 and higher. Electromagnetic waves penetrate the liquid product and their transit time changes as a function of the dielectric constant. This measurement method allows universal application even where a change of product is involved. Deposits, foam and condensate are not detected. The hygienic process welding sleeve ensures virtually flush-front installation in conformity with hygiene standards.

Application fields

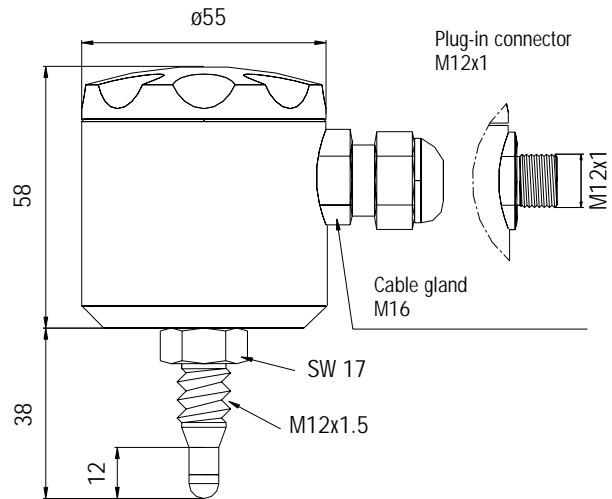
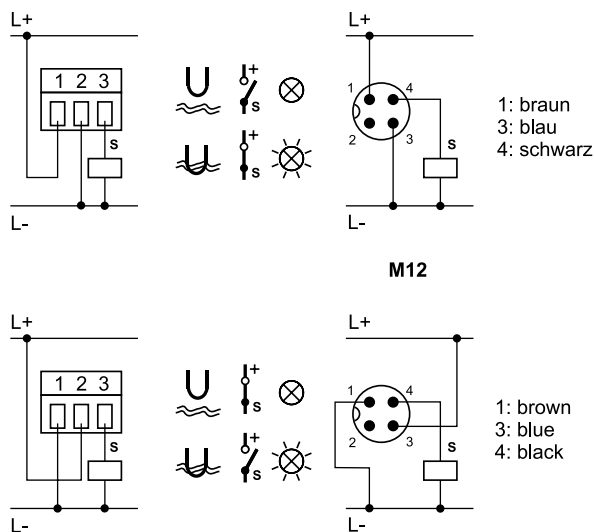
- Vegetable oil (option "S" only)
- Liquids containing pulp
- Dairy products, incl. yogurt
- Toothpaste

Technical data

Primary head	LS 6300
Operating principle	electromagnetic waves
Process conditions	
Pressure	≤ 16 bar
Process temperature	-20...+130°C
Density	≥ 0.6 kg/litre
Sugar content	≤ 80° Brix
Materials	
Sensor	stainless steel 1.4571
Housing	stainless steel 1.4305
Coupling element	PEEK (FDA accepted)
Process connection	
Screwed joint	M 12 x 1.5
Electronic unit	
Contact output	solid-state switch, 50 mA max.
Supply voltage	18 – 36 V DC, max. 70 mA

Electrical connection	cable gland M16 or M12 plug
Switching function full/empty	polarity of supply voltage
Type of protection	
EN 60529	IP 67
Approvals	WHG (German water resources act) in preparation
Accessories	
<u>Welding sleeve HWN 310</u>	
Hygienic sleeve of stainless steel 1.4571, with welding mark for defined alignment of cable gland or M12 plug.	

Dimensions



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