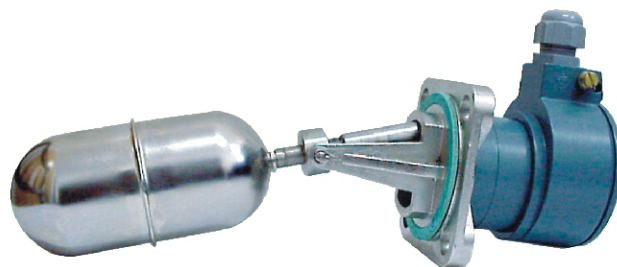


LEVEL SWITCHES type ERH-...-16

LEVEL SWITCHES IN EXPLOSION-RISK VERSION ARE DESIGNED FOR SIGNALING OF LIQUID LIMIT LEVELS OR TWO-TERM LIQUID LEVEL CONTROL IN OPEN AND CLOSED PRESSURIZED TANKS, IN EXPLOSION-RISK ATMOSPHERE, CORRESPONDING TO THE CLASS II 1/2G EExed II BT4. THE SWITCHES CAN OPERATE IN AGGRESSIVE LIQUIDS NOT REACTING ON 1H18N9T STEEL (321 ss) AND CAST STEEL TYPE 1.4581 ACC. TO EN.



- material of dry parts - Al alloy
- material of wet parts - 1H18N9T (321 ss) and cast steel type 1.4581 acc. to EN
- top and side mounted
- nominal pressure 4 Mpa
- certificates:
 - ATEX II 1/2G c Ex de II BT4
 - PRS
 - DNV
- curve pipe type “┐” and “└”



TECHNICAL DATA

Parameters	ERH-01-16	ERH-02-16	ERH-03-16	ERH-04-16
Switching hysteresis	10; 20; 30mm	10; 20; 30mm	50...400mm	32...1350mm
Repeatability	±15%	±15%	±15%; ±2%	±15%; ±2%
Mass	1.8 kg	2.0 kg	2.1 kg	3.0 kg
Static pressure of the medium	4 MPa			1,6 MPa
Permissible temperature of the medium	100°C			
Ambient temperature	-25°C...+70°C			
Casing protection degree	IP 66			
Minimum liquid density	0.6 x 10 ⁻³ kg/cm ³			
Application	In clear fluids without impurities of constant suspensions	In impurities fluids of constant suspensions	In clear fluids without impurities of constant suspensions	In clear and impurities fluids of constant suspensions

ELECTRIC PARAMETERS OF MICROSWITCH:

Rated switching voltage U_e
AC-15 230V; 50...60Hz
DC-13 220V=

Rated switching currents:
 I_e /AC 15 U_e 230V; 50...60Hz 2,5A
 I_e /DC 13 U_e 220V; 0,3A

Switching durability:
AC-15 85x10³
DC-13 30x10³

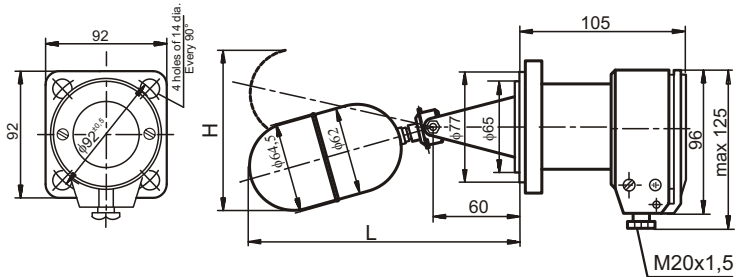
Minimal voltage and switching current: 10V; 20mA

Cross sections of connecting wires - for single-core wires: 1 sq. mm
- for multile-core wires: 1 sq. mm

DIMENSIONED DRAWINGS

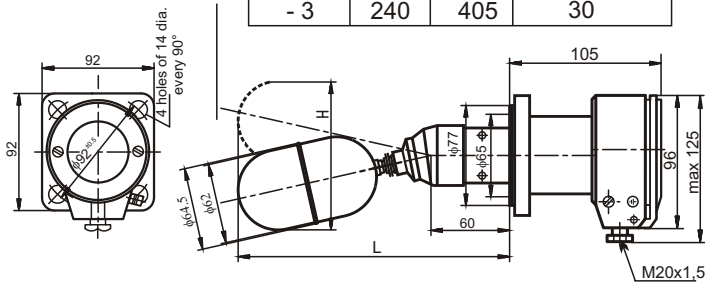
ERH-01-16

Symbol	Hmm	Lmm	Hysteresis "h"
- 1	140	230	10
- 2	180	305	20
- 3	240	405	30

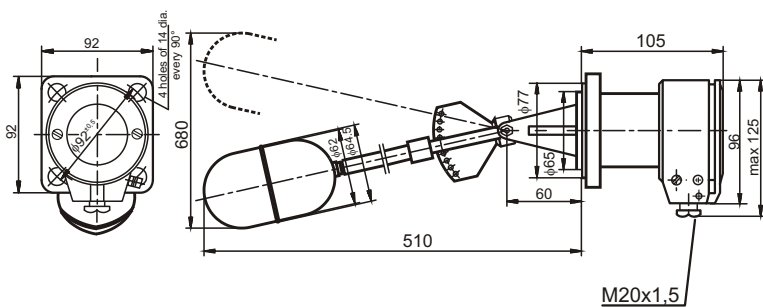


ERH-02-16

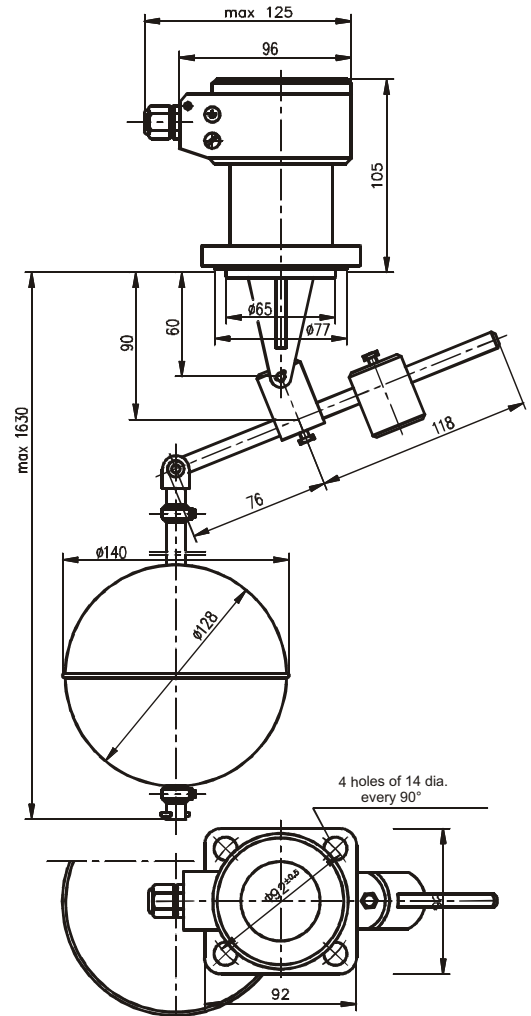
Symbol	Hmm	Lmm	Hysteresis "h"
- 1	140	230	10
- 2	180	305	20
- 3	240	405	30



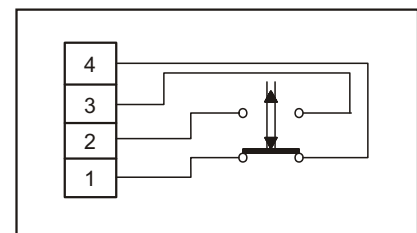
ERH-03-16



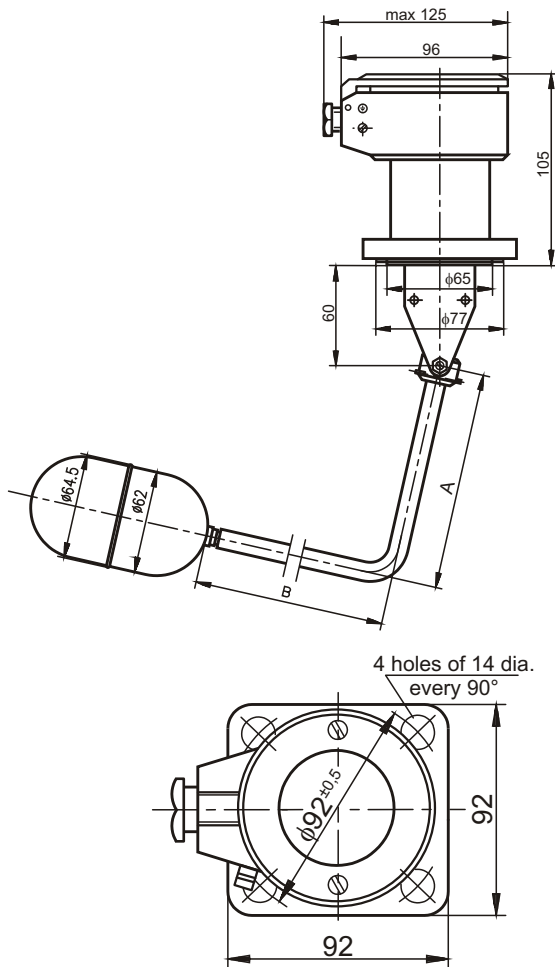
ERH-04-16



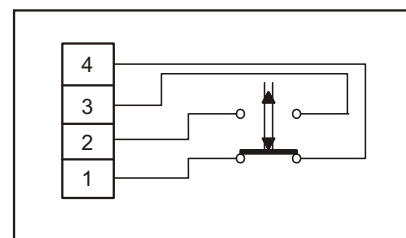
Electric circuit diagram of switches



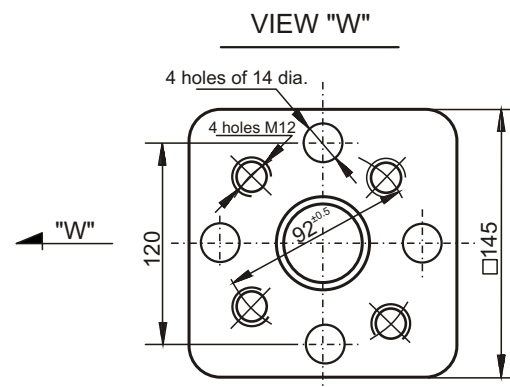
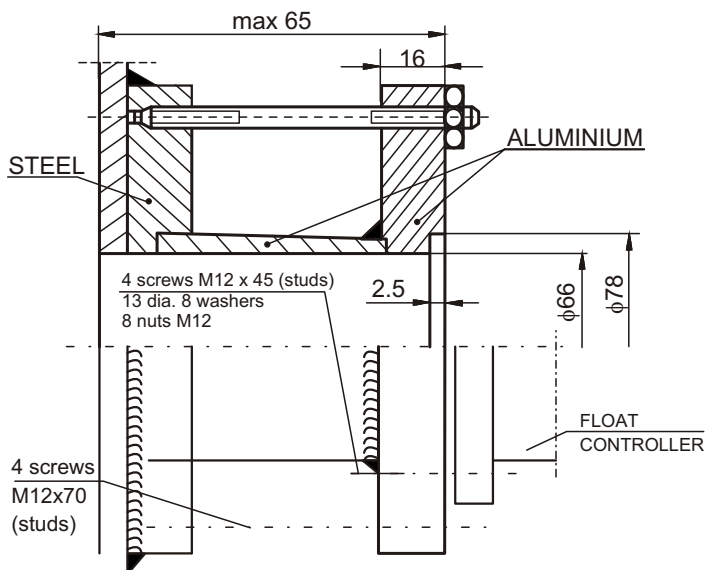
ERH-01-16-4-1
Level switch with curve pipe
at dimension A=185, B=80



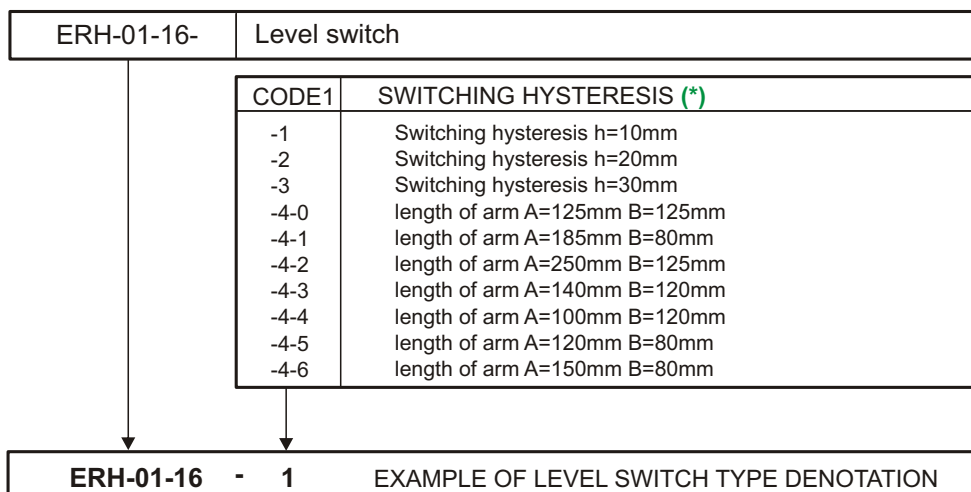
Electric circuit diagram
of switches



EXAMPLE OF CONNECTING STUB PIPE

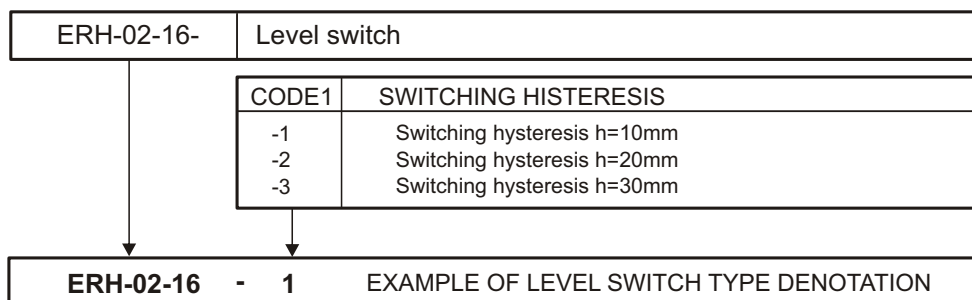


ORDERING OF LEVEL SWITCH TYPE ERH-01-16

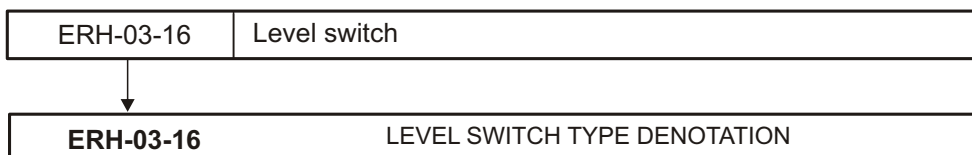


(*) other arm lengths available on client request (curve pipe type “” and “”)

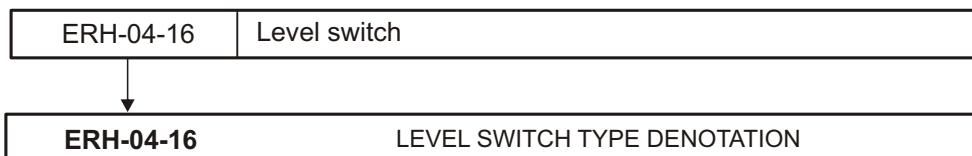
ORDERING OF LEVEL SWITCH TYPE ERH-02-16



ORDERING OF LEVEL SWITCH TYPE ERH-03-16



ORDERING OF LEVEL SWITCH TYPE ERH-04-16



Example of ordering: level switch with switching hysteresis 10mm ERH-01-16-1