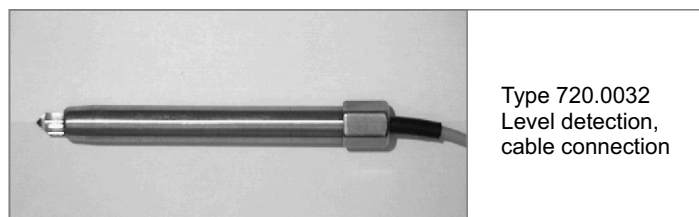


Transducer	Product group 720	
	Type 0032	
	Sheet: 1/1	Revision: 3
	Date: 4/05	
Optoelectronic liquid level limit sensor one-piece design		



Type 720.0032
 Level detection,
 cable connection

SL	ML	Stock no.	
		Level	Interface
100	18 - 49	7200032L010	7200032I010
150	18 - 100	7200032L015	7200032I015
250	18 - 200	7200032L025	7200032I025
550	18 - 500	7200032L055	7200032I055
1050	18-1000	7200032L105	7200032I105

Field of application

This Optoelectronic limit sensor is for signalling liquid level and interface limits. A big advantage is that to a great extent the optoelectronic sensor works independently of physical properties like density, dielectric constant, conductivity or color. The very compact construction only needs a minimum of space and enables it to measure in very small volumes. It also can be built into pH-electrode connections

General Data

Accuracy: ±0,5 mm
 Minimum difference in refractive index for interface detection: 0,01 R.I.
 Light source: IR-light 930 nm
 minimum distance between Sensor tip and any opposite surface: >10 mm
 Installation orientation: any
 Controller: Type 720.0250

Design Data

Operating temperature: - 30 to +95 °C
 Ambient temperature: -25 to +95 °C
 Operating pressure: 0 - 5 MPa (0 - 50 bar)
 Material Sensor-housing: 1.4571
 Material light guide: Quartz glass
 Material packing: Graphite
 Weight: 0,1 kg
 +5 g/cm elongation

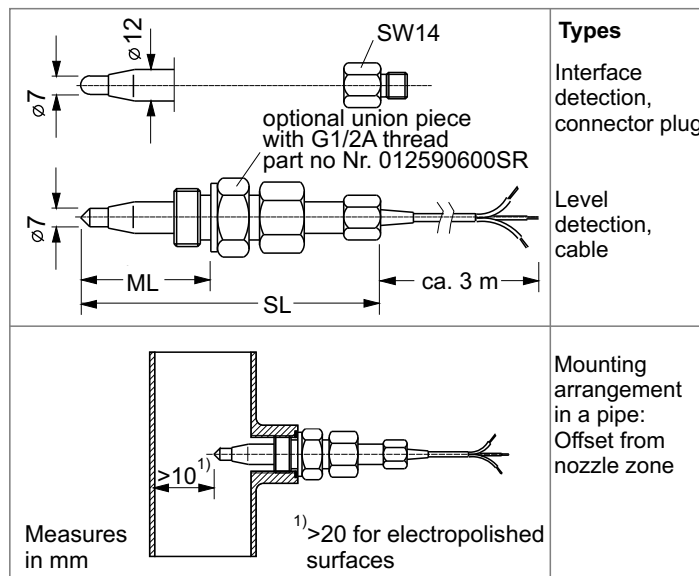
Electrical Data

Supply, output: see Controller Type 720.0250
 Connection: PVC-cable 3*0,14 mm2 or plug 4-pole serie 713
 Ingress protection EN 60529 with plug: IP 65
 with cable: IP 67

Accessories

Union piece DIN 2353 G1/2A 012590600SR
 Female plug for connector plug STK4713M12

Subject to alterations

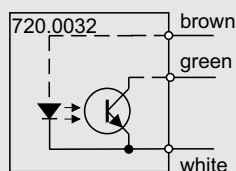


Types
 Interface detection, connector plug

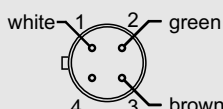
Level detection, cable

Mounting arrangement in a pipe: Offset from nozzle zone

Connection diagram



Pin assignment



Ordering no.

7 2 0 . 0 0 3 2 X X X X - X

Measure	Interface	I	0	1	0	100 mm
			0	1	5	150 mm
Level	L	L	0	2	5	250 mm
			0	5	5	550 mm
			1	0	5	1050 mm

PHÖNiX

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