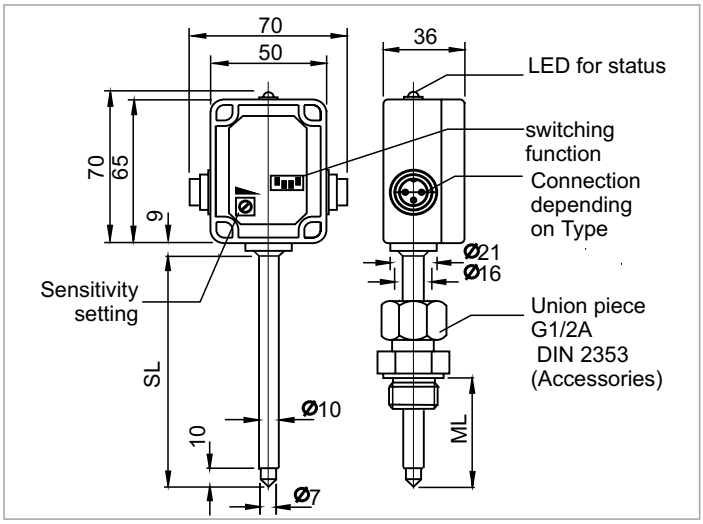
Compact Limit Switch

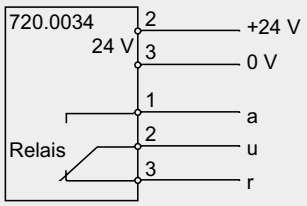
integrated alternating light circuit module
relay output
switching direction can be set with a switch
adjustable sensitivity for any application

Product group	720
Type	0034
Page: 1/1	Revision: 3
Date:	8/03

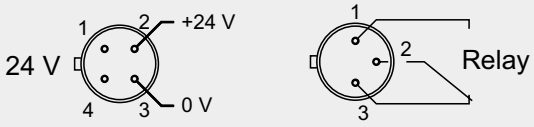


Sensor length SL	Measuring length ML
100	18 - 49
250	18 - 200
550	18 - 500
1050	18 - 1000
2050	18 - 2000

Connection Diagram



Pin assignment



Field of application

This Optoelectronic limit switch is for signalling liquid level 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. Even foam is no problem as sensitivity can be set. The very compact construction only needs a minimum of space for mounting and allows measuring lengths up to 2000 mm. It can also be used in transparent tanks. With its built in green LED the activated state of the relay is always indicated.

General Data

Measuring accuracy:	±0,5 mm
Light source:	IR-Light 930 nm
Ambient light:	max. 10.000 Lux
minimum distance sensor tip to any opposite wall:	>10 mm
Fitting position:	any
Indication of active state relay:	green LED
Switch logic:	reversible
Weight:	ML 18-49: 0.12 kg + 5 g/cm ML

Design Data

Operating temperature:	- 30 to+95 °C
Ambient temperature:	-25 to+60 °C
Operating pressure:	0 - 5 MPa (0 - 50 bar)
Material Sensor-housing:	1.4571
Material Light guider:	Quartzglass
Material packing:	Graphite, PTFE
Material housing:	Makrolon

Electrical Data

Rated voltage:	24 V DC +/- 30 %
Supply current max.:	40 mA
Switch voltage/current:	250 V AC / 3 A
Stress cycles:	> 10^7
Connection Relay-output:	Plug 3-pole serie 723
Connection power supply:	Plug 4-pole serie 723
Ingress protection EN 60529 completed:	IP 65

subject to alterations

Ordering No.

7	2	0	.	1	1	0	3	1	7	X	X	X	.	0	0	3	4	-	X	X

Sensor length	Sensor length in cm, e. g. 250 mm = 025	X X X			
Version	Plug, standard-Relay		-		
	Plug, fast-cycle-relay		G		
				N	Normal
				T	higher Temp.
				D	Differential
					Construct.

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