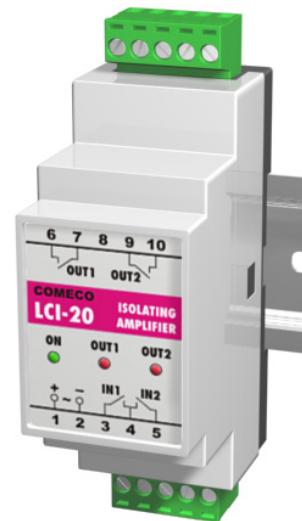


## Level-Switch Isolating Unit LCI2x

- ◆ Isolating amplifier with up to 2 channels
- ◆ Operates with ATEX level switches series LCSFT
- ◆ Provides 2.5 V sensor voltage
- ◆ Isolated AC/DC power supply
- ◆ Output and power state indication
- ◆ 750 V isolation
- ◆ Rail mounting
- ◆ Low cost

The LCI2x isolating amplifier is a low-cost isolating unit with robust plastic case for rail mounting, especially designed to be used with COMECO's ATEX-approved float level switches series LCSFT. The isolator operates with a wide range of power supply voltages and provides an isolated sensor voltage of only 2.5 V. The internal optical isolator and pulse transformer ensure an isolation level of 750 V. LCI2x can be ordered either with 1 input and 1 relay output, or, when the application requires controlling high and low level points, with 2 inputs and 2 corresponding output relays. Up to 3 LEDs provide convenient indication of the output and power state. The excellent price-to-performance ratio makes the remote isolating unit LCI2x a very useful device for low-cost Ex applications in liquid level control.



### Technical specifications

Inputs	(1 per channel)	Power supply
<i>Input signal</i>	OFF/ON, resistive: 20/10 kΩ ± 10%	<i>Isolated low voltage</i> 8...28 V
<i>Input (sensor) voltage</i>	2.5 VDC	<i>SMPS voltage</i> <sup>(1)</sup> 90...250 V
<i>Input (sensor) current</i>	≤ 63 µA	<i>Isolation from input</i> 750 VAC for 1 min
<i>Isolation from output</i>	750 VAC for 1 min	<i>Consumption</i> max. 2 VA
Outputs	(1 per channel)	Operating conditions
<i>Relay electromechanical</i>	5A/250V w/ NO contact	<i>Ambient temperature</i> -10...65 °C
<i>Solid state relay</i> <sup>(1)</sup>	1A/250VAC	<i>Ambient humidity</i> 0...85 %RH
<i>MOS gate</i> <sup>(1)</sup>	0.1A/60V, optically isolated	<i>Storage temperature</i> -20...65 °C
<i>Output for external SSR</i>	5...24 V, 30 mA	<i>Storage humidity</i> non-condensing, 0...95 %RH
<i>Switching hysteresis</i>	≤ 0.01% of span	
Indication		Design and materials
<i>LEDs</i>	up to 2 red LEDs for output state, green LED for power ON	<i>Case material</i> plastic
		<i>Mounting</i> on 35 mm DIN rail
		<i>Wiring</i> plug-in terminals
		<i>Dimensions</i> 35x110x58 mm
		<i>Weight</i> max. 250 g
		<i>Protection, front/terminals</i> IP54 / IP20

<sup>(1)</sup> Ask for availability!

### Ordering code LCI2\* - G1.G5<sup>(2)</sup>

Code	Feature or option	Code values
*	Variant	0 - single-channel, 2 - double-channel
G1	Power supply	C - 90...250 V <sup>(1)</sup> , Q - 8...28 V, isolated
G5	Relay output	A - relay NO, D - SSR <sup>(1)</sup> , J - for external SSR, M - isolated MOS gate <sup>(1)</sup>

<sup>(2)</sup> G5G5 for variant '2'