



## GI210

Changeover switch for two SSI encoders with a common SSI master

### Product Features:

- Contactless and bounce-free commutation of all signals via remote 24 volts control signal
- Automatic synchronization of the changeover point to the next SSI transmission pause
- Slim and space-saving housing for DIN rail mounting
- All connections via screw terminal strips
- Cascadable for more SSI encoders
- 12 to 30 VDC power supply

Technical Specifications:		
<b>Power supply:</b>	Input voltage: Protection circuit: Ripple: Consumption: Connections:	12 ... 30 VDC reverse polarity protection ≤ 10 % at 24 VDC approx. 50 mA (unloaded) screw terminals, 1.5 mm <sup>2</sup> / AWG 16
<b>Encoder supply:</b>	Number of outputs: Output voltage: Output current: Protection circuit: Connections:	2 corresponds to the power supply voltage minus approx. 2 V 2 x 125 mA short circuit proof screw terminals, 1.5 mm <sup>2</sup> / AWG 16
<b>SSI inputs:</b>	Number of inputs: Signal levels: Frequency range: Connections:	2 RS422 min. 100 kHz ... max. 1 MHz screw terminals, 1.5 mm <sup>2</sup> / AWG 16
<b>Control input:</b>	Signal level: Function: Connections:	HTL, 24 V switchover for SSI encoder screw terminals, 1.5 mm <sup>2</sup> / AWG 16
<b>SSI output:</b>	Number of outputs: Signal levels: Connections:	1 RS422 screw terminals, 1.5 mm <sup>2</sup> / AWG 16
<b>Processing data:</b>	Delay time: SSI interval time: Propagation delay:	output <----> input: 100 ns min. 25 μs - 6V... +6V
<b>Display elements:</b>	Number of: Functions:	2 LEDs (green and yellow) green LED: ready for operation yellow LED: switching state of the encoder switch
<b>Housing:</b>	Material: Mounting: Dimensions (w x h x d): Protection class: Weight:	plastic 35 mm top hat rail (according to EN 60715) 22.5 x 121 x 112 mm / 0.886 x 4.764 x 4.409 inch (incl. connectors) IP20 approx. 100 g
<b>Ambient temperature:</b>	Operation: Storage:	0 °C ... +45 °C / +32 ... +113 °F (not condensing) -25 °C ... +70 °C / -13 ... +158 °F (not condensing)
<b>Conformity &amp; standards:</b>	EMC 2004/108/EC: Guideline 2011/65/EU:	EN 61000-6-2, EN 61000-6-3, EN 61000-6-4 RoHS-conform