

# Electrical position indicators for pneumatic linear actuators



## GEMÜ 1201 / 1230

### Electrical position indicators with microswitches

- Choice of one or two microswitches with integrated SPDT (Single Pole Double Throw) contact
- Microswitches individually continuously and precisely adjustable via threaded spindles
- Rated voltage / current:  
GEMÜ 1201: 250 VAC / 100mA - 8 A, 28 VDC / 5 mA - 5 A  
GEMÜ 1230: 250 VAC / 2.5 A, 24 VDC / 4 A
- Ambient temperature: - 20 to 60 °C
- Connection by cable gland or connector possible
- GEMÜ 1201: up to 70 mm stroke
- GEMÜ 1230: up to 20 mm stroke  
Option with LED indication



## GEMÜ 1211 / 1231

### Electrical position indicators with proximity switches to NAMUR EN 60529

- For hazardous locations EEx ia IIC T6
- Choice of one or two inductive proximity switches
- Proximity switches individually continuously and precisely adjustable via threaded spindles
- Rated voltage: 8 V DC
- Ambient temperature: - 20 to 60 °C
- Connection by cable gland or connector possible
- GEMÜ 1211: up to 70 mm stroke
- GEMÜ 1231: up to 20 mm stroke



## GEMÜ 1214 / 1232

### Electrical position indicators with proximity switches

- Choice of one or two inductive proximity switches
- Proximity switches individually continuously and precisely adjustable via threaded spindles
- Rated voltage: 24 V DC
- Ambient temperature: - 20 to 60 °C
- Connection by cable gland or connector possible  
GEMÜ 1214: up to 70 mm stroke, GEMÜ 1232: up to 20 mm stroke
- Option with LED indication



## GEMÜ 1215

### Electrical position indicator with microswitch

- For hazardous locations EEx II2GII BTG
- One microswitch with SPDT (Single Pole Double Throw) contact for open position (Exception 667 / 661: here the closed position is indicated)
- Rated voltage / current: 250 VAC / 4 A, 24 VDC / 4 A
- Ambient temperature: -15 to 55 °C
- Connection by cable gland



# Electrical position indicators for pneumatic linear actuators



## GEMÜ 1234

### Electrical position indicator

- For linear actuators with 1 mm to 10 mm stroke
- Optical indication of position and function by LEDs
- **speed<sup>AP</sup>** function for fast mounting and initialisation
- Adjustable switch point tolerances
- Local or remote programming via programming input
- Optional AS-Interface fieldbus connection
- M12 plug
- No need to open the housing for commissioning
- Compact design
- Protection class IP65
- Ambient temperature -10 to 70 °C



GEMÜ 1235



GEMÜ 1236

## GEMÜ 1235 / 1236

### Electrical position indicators

- GEMÜ 1235: PVDF base
- GEMÜ 1236: Stainless steel base
- For linear actuators with 2.2 mm to 75 mm stroke
- Optical high visibility position and function indication via LEDs
- **speed<sup>AP</sup>** function for fast mounting and initialisation
- Adjustable switch point tolerances
- Local or remote programming via programming input
- Communication interface IO-Link
- M12 plug
- No need to open the housing for commissioning
- Compact design
- Protection class IP67
- High visibility LEDs for OPEN/CLOSED visual indication
- Ambient temperature -10 to 70 °C



## GEMÜ 1242

### Electrical fieldbus position indicator

- For linear actuators with 2 mm to 30 mm stroke
- Optical high visibility position and function indication via LEDs
- Anodized aluminium or stainless steel base
- **speed<sup>AP</sup>** function for fast mounting and initialisation
- Adjustable switch point tolerances
- Extensive diagnostic facilities
- Local or remote programming via programming input
- Fieldbus connection AS-Interface or DeviceNet
- M12 plug
- No need to open the housing for commissioning
- Compact design
- Protection class IP65
- Ambient temperature 0 to 60 °C

# Electrical position indicators for pneumatic quarter turn actuators



## GEMÜ 1225

### Electrical position indicator with microswitches

- Two integrated microswitches with SPDT (Single Pole Double Throw) contact for OPEN and CLOSED position
- OPEN / CLOSED position indication and indication of power supply via LED
- Microswitches individually adjustable via trip cams
- Operating voltage: 10 to 30 V DC
- Rated voltage / current: 24 VDC / 2.5 A
- Ambient temperature: -20 to 60 °C
- Connection by cable gland



GEMÜ LSR



GEMÜ LST



GEMÜ LSF

## GEMÜ LSR / LST / LSF

### Electrical position indicators with microswitches / proximity switches

- Choice of one or two microswitches or proximity switches
- Optical position indication, good visibility
- Indication of switch positions of 2-way or 3-way valves
- Detachable mounting plate with switches
- ATEX version possible
- Connection via M20 cable gland (GEMÜ LSR, LST) or M12 4-pin plug (GEMÜ LSF)



# Combi switchbox with integrated pilot valve



## GEMÜ 4221

### Combi switchbox with integrated pilot valve

- For single or double acting pneumatic quarter turn actuators up to 180° travel range
- Optical indication of position and function by LEDs
- Integrated 3/2-way pilot valve
- Aluminium or stainless steel base
- **speed<sup>AP</sup>** function for fast mounting and initialisation
- Adjustable switch point tolerances
- Option: Fieldbus connection AS-Interface or DeviceNet
- M12 plug
- No need to open the housing for commissioning
- Protection class IP65
- Ambient temperature 0 to 50 °C
- Air output: 100 NI/min

## GEMÜ 4242

### Combi switchbox with integrated pilot valve



Size 1

Size 2

- For single or double acting pneumatic linear actuators with 2 mm to 75 mm stroke
- Optical high visibility position and function indication via LEDs
- Integrated 3/2-way pilot valve
- **speed<sup>AP</sup>** function for fast mounting and initialisation
- Integrated manual override
- Adjustable switch point tolerances
- Extensive diagnostic facilities
- Local or remote programming via programming input
- Option: Fieldbus connection AS-Interface or DeviceNet
- Communication interface IO-Link
- M12 plug
- No need to open the housing for commissioning
- Compact design
- Protection class IP65
- Ambient temperature 0 to 60 °C
- Air output 14 NI/min, 23NI/min or 250 NI/min

## GEMÜ 4216

### ATEX combi switchbox with integrated pilot valve



- For single or double acting pneumatic linear actuators
- Integrated 24 VDC 3/2-way pilot valve (intrinsically safe)
- Valve operation via 5/2-way pilot valve
- Position feedback via NAMUR proximity switch
- Proximity switches individually continuously and precisely adjustable via threaded spindles
- Connection by cable gland and terminal strip
- Air output: 588 NI/min