

# CONTACT - FREE LIMIT SWITCH 024.50

SED has designed and engineered a contact-free limit switch with magnet field measurement technology. Apart from lifetime and among other features the advanced design allows also a more reliable sealing method.

## FEATURES

- For single and double acting valve control functions
- Suitable for linear and rotary actuators
- Power supply and programming 24V DC or 8V DC
- Linear stroke measurement of 3-45 mm
- Indicates two or three positions
- Backlash free stroke transmission
- Short circuit proof
- M12, 5 pin A-coded connection



II 2G Ex  
II 2D Ex

**New!**

## ADVANTAGES

- Contact-Free magnetic measuring design
- Colored LED light feedback of valve position visible for 360°
- Compact and robust design
- Hermetically sealed
- Easy mounting without additional adapter kits
- Mounts to all standard valves up to DN100
- 360° adjustable mounting position
- Initial programming by light or Voltage Signal (5th pin)
- Set point protection
- High switching current
- High chemical resistance

### 024.50 STANDARD



### 024.50 ATEX



### 024.50 VA



## TECHNICAL DATA

Type	024.50 Standard	024.50 ATEX	024.50 VA
<b>Material Housing</b>	PPSU	PPSU	Edelstahl
<b>Mechanical Adaption</b>	St. Steel M12x1, M16x1	St. Steel M12x1, M16x1	St. Steel M12x1, M16x1
<b>Ambient Temperature</b>	-10°C to + 70°C	-10°C to + 70°C	-10°C to + 70°C
<b>Maximum Pressure</b>	8 bar	8 bar	8 bar
<b>Power Supply</b>	24V DC +/- 10%	12V DC +/- 10%	24V DC +/- 10%
<b>Power Consumption</b>	0,7 W	0,5 W	0,7 W
<b>Maximum Power Input</b>	30 mA	40 mA	30 mA
<b>Electrical Connection</b>	Multipol M12, 5 Pin, A-coded	Multipol M12, 5 Pin, A-coded	Multipol M12, 5 Pin, A-coded
<b>Switching Current</b>	1 ... 800 mA	1 mA	1 ... 800 mA
<b>Stroke Range</b>	3 - 45 mm	3 - 45 mm	3 - 45 mm
<b>Accuracy</b>	+/- 0,1 mm	+/- 0,1 mm	+/- 0,1 mm
<b>Protection Class</b>	IP67 according EN 60529	IP67 according EN 60529	IP67 according EN 60529
<b>Conformity acc. CE</b>	EMV-9/336/EWG	RL 94/9/EG	EMV-9/336/EWG
<b>Mounting Position</b>	any	any	any
<b>Initialization</b>	Light or 24V Signal(5th PIN)	Light or 12V Signal(5th PIN)	24V Signal(5th PIN)