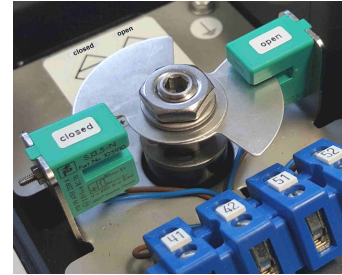


## Ex i ... 8 V DC chemical limit switch box, zone 1, 2 or 21, 22 for rotary pneumatic actuators



Pepperl+Fuchs sensors: 2x adjustable aluminum switching cams, 0° and 90°

### technical data limit switch box

ATEX identification	II 2G Ex ia/ib IIC/IIB T6 Gb II 2D Ex ia/ib IIIC T 80 °C Db
ambient temperature range	- 25 °C ≤ T <sub>a</sub> ≤ + 70 °C
protection class	IP 65
material housing	polyamide black = PA, R <sub>o</sub> ≤ 10 <sup>9</sup> Ω, RAL 9005
dimensions housing	120x80x55 mm
cable gland	M20x1,5 mm clamp range Ø 11-9,5 mm, Ø 9-7 mm, Ø 7-5,5 mm, polyamide
mini-terminals	2x 2-pole, maximum 2,5 mm <sup>2</sup>
weights	- limit switch box without ss bracket = 0,3 kg - limit switch box with ss bracket = 0,6 kg
options	- cover with window or closed cover - 2D indicator yellow - membrane vent for avoidance of condensation water - Harting connection = rapid changing the box
bracket connection	F05 slot
actuator connection	acc. to VDI/VDE 3845, steam high: 20, 30 and 50 mm, hole spacings 80x30 mm a. 130x30 mm

### technical data limit switches

sensor type	Pepperl+Fuchs SJ 3,5-N
nominal voltage	8 V DC
nominal current	detected ≤ 1 mA / undetected ≥ 3 mA
switching frequency	0 ... 3000 Hz
switching range	0° + 90°, 0° + 180° or adjustable
output wire	2-wire
switching function	NAMUR, normally closed = NC
output polarity	NAMUR
acc. to IEC 61508	usable up to SIL2

