

Ex i ... 8 V DC stainless steel limit switch boxes, zone 1, 2 or 21, 22 for pneumatic rotary- and linear actuators



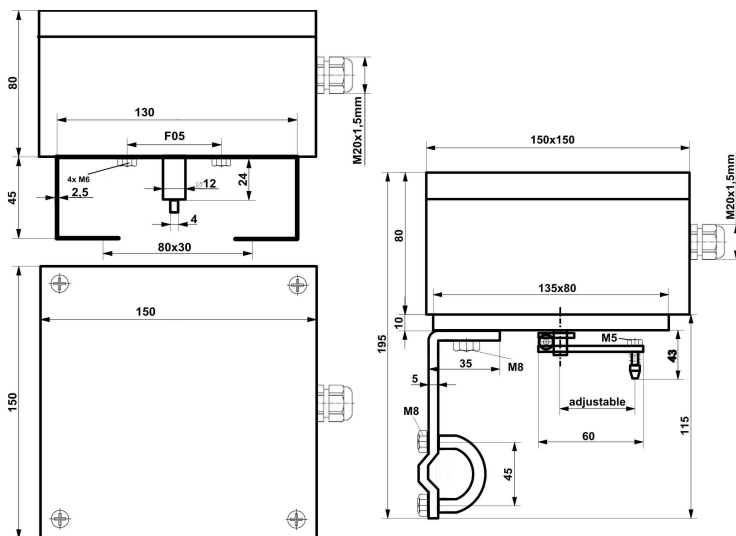
Pepperl+Fuchs limit switches: left: 2x adjustable aluminium switching cams. right: 1x stainless steel switching cam for position 0° and 90°. Other cams upon request.

technical data limit switch boxes

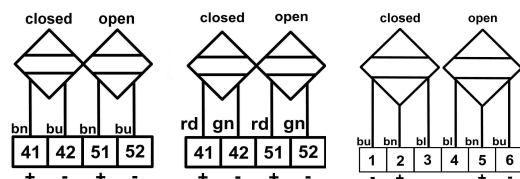
ATEX identification	II 2G Ex ia/ib IIC/IIB T6 Gb II 2D Ex ia/ib IIIC T 80 °C Db
ambient temperature range	- 25 °C ≤ T _a ≤ + 70 °C
protection class	IP 65
material housing	stainless steel = AISI 304 option: AISI 316Ti
dimensions housing	150x150x80 mm
cable glands	M20x1,5 mm, Ø 14,0-9,0 mm and Ø 9,0-5,0 mm nickel-plated or stainless steel
mini-terminals	2x 2-pole and 2x 3-pole, maximum 2,5 mm ²
weights	- limit switch box without bracket = 1,8 kg - stainless steel bracket = 0,3 kg - stainless steel plate + mounting set = 1,65 kg
bracket connection	F05 slot
actuator connection	- acc. to VDI/VDE 3845, steam height: 20, 30 and 50 mm, hole spacings 80x30 mm a. 130x30 mm - mounting set f. linear actuators acc. to IEC 534

technical data limit switches

Pepperl+Fuchs sensor types	1) SJ 3,5-N 2) SC 3,5-N0, SC 3,5-G-N0 3) NJ2-12GK-N 4) SJ 3,5-SN, NJ2-12GK-SN 5) SJ 3,5-S1N, NJ3-18GK-S1N
nominal voltage	8 V DC
nominal current 1)-4)	detected ≤ 1 mA / undetected ≥ 3 mA
nominal current 5)	detected ≥ 3 mA / undetected ≤ 1 mA
switching range	0° + 90°, 0° + 180° or adjustable
output wire	2-wire 1)-5), 3-wire NJ3-18GK-S1N
switching function	NAMUR NC 1)-4), NAMUR NO 5)
output polarity	NAMUR 1)-3) safety function 4)-5)
acc. to IEC 61508	usable up to SIL2 1)-3), SIL3 4)-5)



dimensions



wiring diagram: possible variations