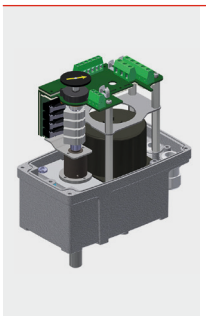
nano+
Options

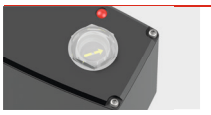
Cams
> 330° / 180°
> With threaded pin for safe fixing

Hand wheel (S/M/L)
> Automatic disengaging
> Not rotating with shaft

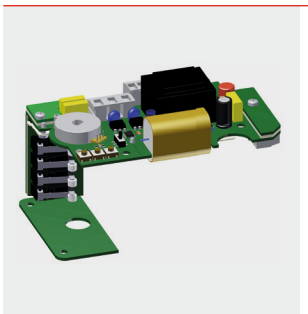


Multi-Turn
> Optional special resolution for potentiometer and shutoff system
> For applications with more than 1 revolution

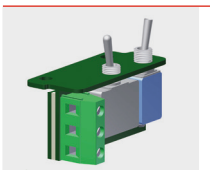
Hand wheel (XL)
> Automatic disengaging
> Not rotating with shaft



Mechanical position indicator
> Free adjustable

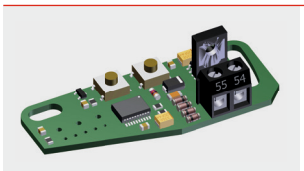


PMR-Nano (AC)
> Power supply:
230 V ±10%, 50/60 Hz
Special voltages/-frequencies available
> Set value input:
0 (4) to 20 mA (DC),
optional 0 (2) to 10 V
Burden 250 Ω, overload protection 25 mA
Reverse voltage protecti on up to –25 mA
Resolution 10 bit
> Actual value output:
Fixed limits: 0 or 4-20 mA
(Option 0 or 2-10 V)
Current drain,
Burden max. 500 Ω
Resolution 10 bit

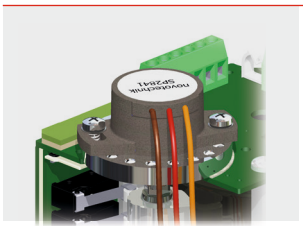


Service switch (Standard at DC)
> Manual-/Automatic operation (switch)
> CW/CCW run (button)
> Integrated inside actuator

Two or four additional auxiliary switches
> Setup via tool-free adjustable switching cams
> Different cam shapes offer different functionalities of auxiliary switches
> High switching safety by spacer between circuit board and cam shaft

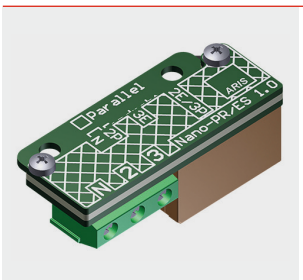


Current output (add-on board)
> Position feedback 4–20 mA

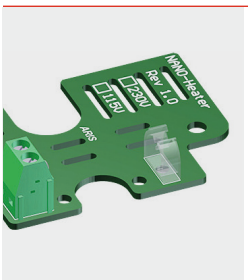


Potentiometer redeed acc. to DIN EN 12067-2
> Regulation of fuel, air and exhaust streams in combination with electronic compound regulating system
> Certified actuator and potentiometer
> Continuous form closure from the actuator shaft to the potentiometer shaf
> Vibration tested acc. to EN 60068-2-6
> Electrical testing of actuator acc. to DIN EN 60730

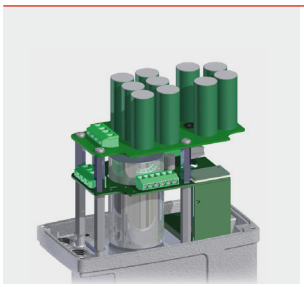
Potentiometer
> Standard
> 1 kΩ/10 kΩ
> Resolution: Nano S+L 90°/180°/320°, Nano M 30...40 Nm 10°...150°, Nano M 50...60 Nm 10°...100° (optional Multi-Turn)



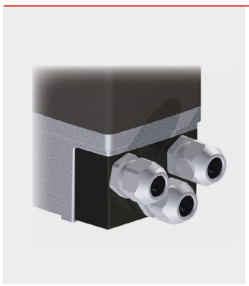
Parallel relays/Single wire operation (AC)
> AC relay
> Completely wired
> Operation voltage=Motor voltage
> Parallel connection of several actuators



Heating
> For heating of the actuator's interior against water condensation



Fail-safe
> Energy storage
> Run to a pre-defined position on power cutoff
> Charging time <3 minutes
> Integrated inside actuator
> Run with standard or high speed
> 24 V DC



Cable entry adapter
> For cable glands 3xM20 (instead of 3xM16)
> Cable entry from the front
> Anodized aluminum