

Press Release

Your durable, compact and reliable pressure switch with 2 switching outputs: Miniature pressure switch with 19 mm wrench size, NAT 8252 and NAH 8254

The Swiss based Trafag extends their product portfolio with electronic pressure switches based on the successful miniature pressure transmitters NAT 8252 and NAH 8254. The types vary in the accuracy of 0.5% and 0.3%.

The new extraordinary robust and reliable miniature pressure switches are a very compact solution for countless applications with rough conditions like pressure peaks, high temperatures or shock and vibration.

Bubikon, January 2017 – The heart of the new electronic pressure switches NAT 8252 and NAH 8254 is Trafags very robust and extraordinary stable thin-film-on-steel sensing element, which remains accurate and reliable even under rough conditions due to the triple overpressure safety and the fully welded design. The electronic is based on the inhouse designed ASIC, an application specific microchip, which achieves optimal temperature compensation and linearization of the measurement over the wide operation temperature range of $-40 \dots +125^{\circ}\text{C}$.

The miniature pressure switches NAT 8252 and NAH 8254 are available with 1 or 2 switching outputs (PNP). The maximum switching current of 400 mA in total of both outputs is tolerable within the temperature range of $-40 \dots +85^{\circ}\text{C}$. Over the entire temperature range of $-40 \dots +125^{\circ}\text{C}$, the maximum switching current is 200 mA in total of both outputs.

The switching outputs include the functions hysteresis and window with the option normally open and normally closed. A delay time is provided for each switching output. For the 2nd switching output is a monitoring mode "Device Ready" available. In this mode the output changes the state if the device has successfully completed the start-up phase. In case of an error during operation the status will change back to the normal state.

The standard electrical connection for electronic pressure switches according to VDMA 24574-1 is the built in M12x1 connector. The accuracy 0.5% as well as 0.3% with temperature compensation and linearization is available. The miniature pressure switches are readily available in the pressure ranges 0...2.5 to 0...600 bar.

These options turn the electronic pressure switches NAT 8252 and NAH 8254 into a versatile device for applications like machine tools, refrigeration, process technologies or hydraulics.

Data sheet: www.trafag.com/H72303 (NAT 8252)
www.trafag.com/H72304 (NAH 8254)



**Trafags Miniature pressure switch with 19 mm wrench size,
NAT 8252 and NAH 8254:
Durable, compact, reliable for numerous applications.**

Trafag – Swiss quality sensors and monitoring devices

Trafag is a leading global provider of high-quality sensors and monitoring devices for pressure, temperature and gas density. In addition to a wide range of standardised, configurable products, Trafag also develops customized solutions for OEM customers.

Founded in 1942, Trafag is based out of Switzerland and has a wide distribution and service network in over 40 countries worldwide. This enables us to provide personal and professional customer service and ensures that all of their services are of the highest quality. Powerful development and production departments guarantee that Trafag products are of the highest quality and precision, product delivery is fast and reliable and customer requests are implemented quickly.