



## Nano push button switch 145 NT

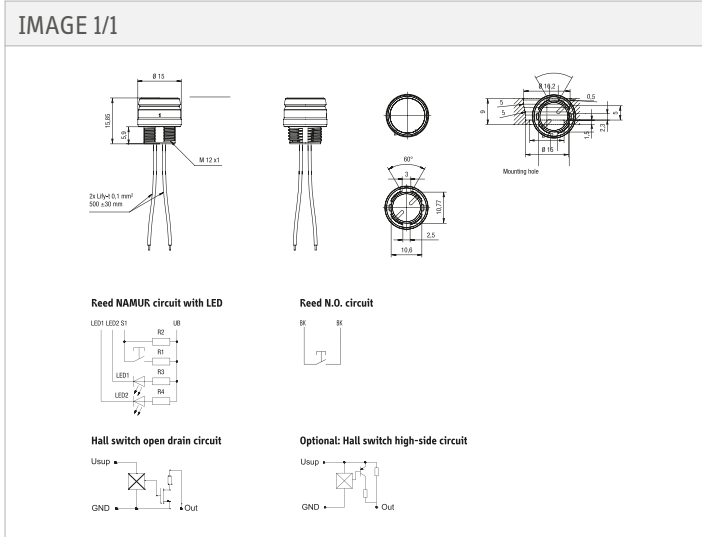
The compact design of the nano push buttons ensures they are ideal for installation in many applications such as Multi-function handles and mobile machinery keypads. The design features of the 145NT push button allows for maximum functionality in a compact space.

### Technical specifications

- Compact design with maximum switching reliability
- Tactile behaviour over the entire service life
- Patented design principle with encapsulated switch housing, IP67 protection class
- Function and night illumination
- Shock and vibration resistant in accordance with DIN IEC 68 Part 2
- Service life > 2 million operating cycles
- Optionally available with NAMUR wiring

**Technical drawing**





IMAGE 1/1








**Product options**

IMAGE 1/3



**Actuator colors**

-  RAL 5005
-  RAL 6024
-  RAL 2003
-  RAL 9004




**Actuator colors Optional**

-  RAL 3020
-  RAL 7015
-  RAL 7042
-  RAL 8001
-  RAL 1023

**Illumination colours LED**

-  Green
-  White

**Illumination colours LED Optional**

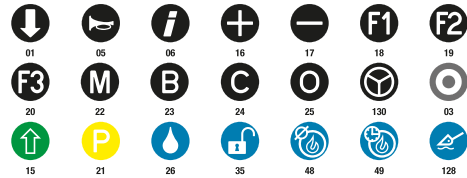
-  Red
-  Yellow
-  Blue

Additional versions are available on request. The push button caps can optionally be printed with symbols. (symbol Ø max. 10 mm).

IMAGE 2/3

**Optional icons for push button 145 NT**

Icon colour: white translucent



Icon colour: red translucent



Icon colour: black



Additional symbols in accordance with DIN ISO 7000:2008-12 are available on request.

**Optional: 2K nano push button**

Convex push button

Flat push button

Concave push button



**Optional icon for 2K push button**



**Optional actuator colours**

-  RAL 3020
-  RAL 7015
-  RAL 5005
-  RAL 2003
-  RAL 9004
-  RAL 6024
-  RAL 1023

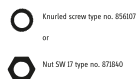
IMAGE 3/3

**ORDERING KEY**

145 NT										Nano push button switch									
G	0	0	B	L	1	2											Reed N.O. circuit, inlay colour blue		
G	0	0	G	N	1	3											Reed N.O. circuit, inlay colour green		
G	0	0	S	W	5	2											Reed N.O. circuit, inlay colour black		
G	0	0	O	R	3	3											Reed N.O. circuit, inlay colour orange		
G	2	1	B	L													Reed-NAMUR circuit with LED 1 white, LED 2 green, inlay colour blue		
G	2	1	G	N													Reed-NAMUR circuit with LED 1 white, LED 2 green, inlay colour green		
G	2	1	S	W													Reed-NAMUR circuit with LED 1 white, LED 2 green, inlay colour black		
G	2	1	O	R													Reed-NAMUR circuit with LED 1 white, LED 2 green, inlay colour orange		
H	0	0	B	L													Hall switch open drain circuit, inlay colour blue		
H	0	0	G	N													Hall switch open drain circuit, inlay colour green		
H	0	0	S	W													Hall switch open drain circuit, inlay colour black		
H	0	0	O	R													Hall switch open drain circuit, inlay colour orange		

Note: Please specify the power supply of the LED (5 V, 12 V, 24 V) when ordering.

Please select the mounting type and order separately:



## Electrical data

Attribute	145NTG...	145NTH...
Max. switching voltage	30 V DC	-
Max. switching current	0.3 A	-
Max. switching power	3 W	
Max. switching power	3 VA	5 VA
Contact form	NO	-
Series resistor	-	85 Ohm

## Mechanical data

Attribute	145NTG...	145NTH...
Service life, mechanical (Cycles)	2000000	

## Environmental conditions

Attribute	145NTG...	145NTH...
Protection class, electronic	IP67 DIN EN 60529	
Operating temperature min.	-40 °C	
Max. operating temperature	85 °C	
Min. storage temperature	-40 °C	
Max. storage temperature	85 °C	

## Installation

Attribute	145NTG...	145NTH...
Installation	from above	
Mounting type	screwed	
Thread	M12	

## Connection

Attribute	145NTG...	145NTH...
Cable length	0.5 m	