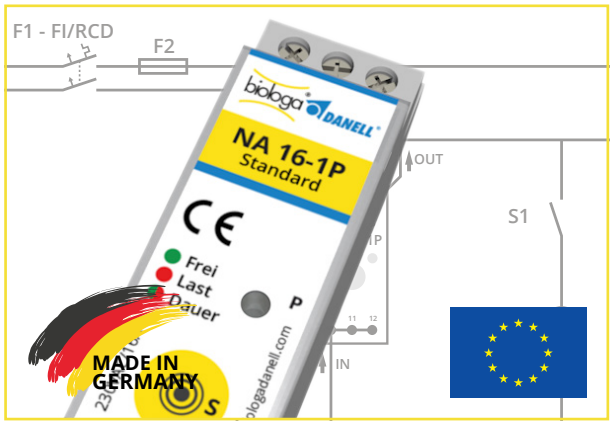
Building Biology Products
and services

Automatic



- demand switch for automatic monitoring in narrow version, usually for one circuit/room
- touch sensor for easy operation
- unstabilised DC test voltage for more accurate detection of the loads - 200 volts DC
- short-circuit-proof and overvoltage-proof according to IEC incl. temperature monitoring
- very robust device with 2 years warranty
- incl. mini indicator lamp KO-L-NA for function monitoring directly in the switched circuit/room
- teach-in function for existing small loads
- Since the invention of the „field disconnector“ by Biologa in 1976, Biologa Danell „mains disconnectors“ have stood for a long tradition, know-how and high quality. Therefore, we are pleased to present you the new Biologa Danell „Demand switch“ generation.
- The NA 16-1P (standard) demand switch finds its place in almost every distribution board due to its slim design of 17mm.
- The unit switches LED lamps, bedside lamps, dimmers, refrigerators with bimetal switches, water and hospital beds with digital control and their own power supply (battery or other self-supply) as well as all other ohmic loads such as high-voltage halogen lamps (G9), incandescent lamps, etc.
- The operating and display elements (touch sensor, multi-colour display - „RGB LED“), make the new Biologa Danell mains decoupler generation very easy to operate and are particularly user-friendly.
- The convenient function test by means of the supplied mini indicator lamp directly in the switched room ensures all-round safe decoupling.
- Preferably for one circuit/room. Simultaneous decoupling of several circuits is also possible under consideration of the max. rated power.

Order-No.: 301038
Short-Desc.: NA 16-1P Standard

Demand switch

NA 16-1P (Standard)

Technical data

length x width x height:	90 x 17 (1 TE) x 60 mm
height on DIN rail:	55 mm
colour / weight:	lightgray / ca. 70 g
energy consumption:	< 1,6 Watt
mech. life (relay):	ca. 10.000.000 switching cycles
electr. life (relay):	ca. 100.000 switching cycles (with max. resistive load - 16 A)
operating voltage:	230 VAC
load: rated power:	16 A continuous load (3680 VA resistive load max.)
test DC voltage:	200 VDC (unstabilised)
ripple:	ca. 0,1 Volt
sensitivity:	devices from 1,5 Watt / 6 mA
switch-off delay:	ca. 5 Sek.
switch-on delay:	ca. 0,1 Sek.
indicator lamps (LED):	RGB-LED (red, green)
guarantee:	2 years
test according to:	EN 55011 EN61000-4-2 EN 60335-1:2012-10 EN61000-4-3 EN61000-4-4 EN61000-4-5 EN61000-4-6 EN61000-4-11 EN61000-4-39
mounting: carrier rail / top-hat rail	according to DIN 55022 in the electrical distributor

Suitable for the following consumers

LED- illuminant (from 1,5 Watt)

compact fluorescent lamps (energy-saving lamp)

switchable dimmers, refrigerators with bi-metal switch, water and hospital beds with digital control (control with battery or self-supply)

conventional illuminants
(high-voltage halogen, G9, incandescent lamps)

Scope of delivery

switchgear (1 pc.)
[Installation in the electrical distribution board].

control lamp KO-L-NA (1 pc.)
[for earthed socket only Schuko].

Available accessories

basic load element GLW Plus

A „GLW Plus“ basic load element is required for operation with devices smaller than 1.5 watts. Permanent consumers such as televisions and computers must be disconnected from the mains e.g. with the help of a two-pole disconnectable socket strip (STL series, MSDS series, U-Steck).

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