

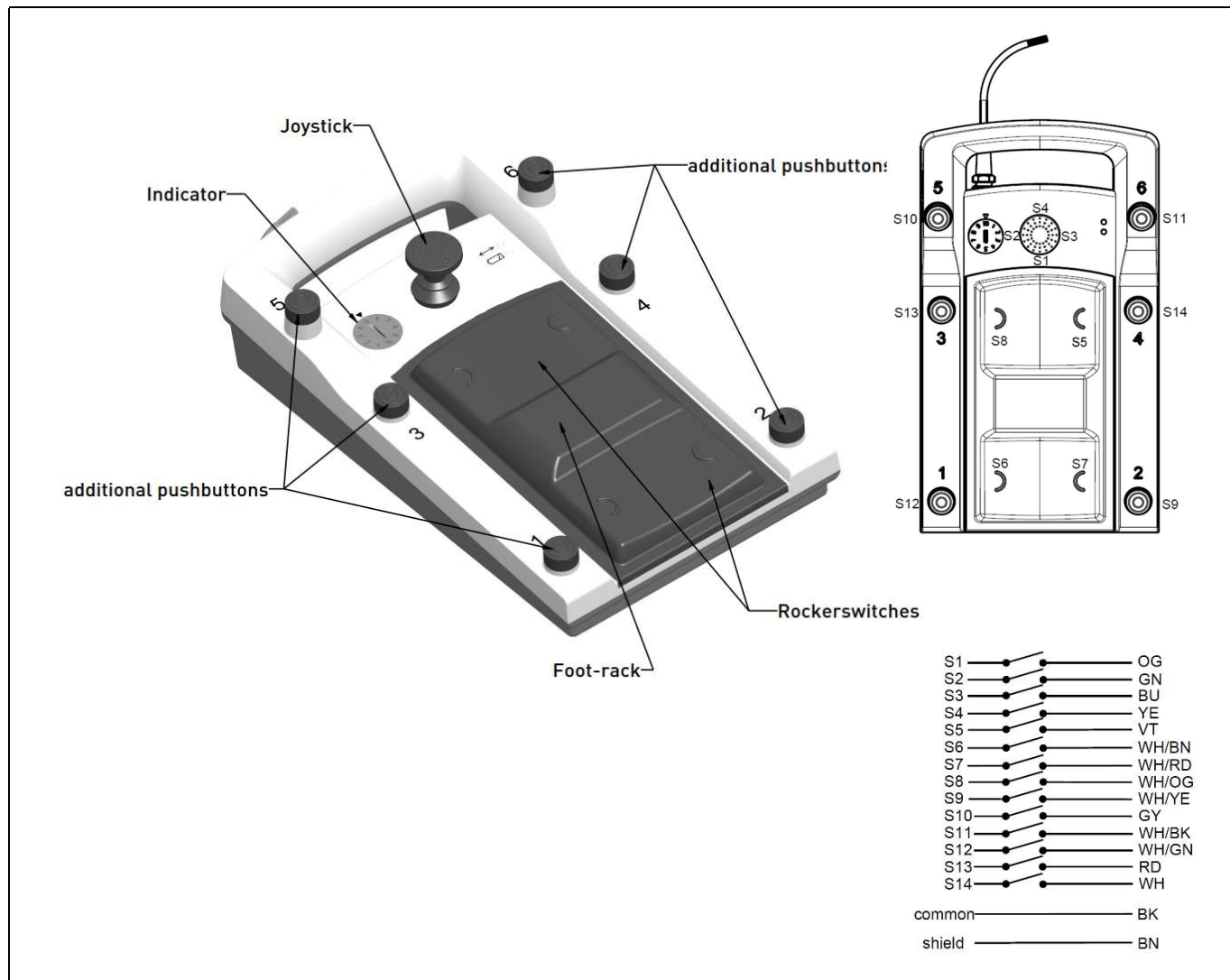


Product name: MFS Microscope-MED

Part-no.: 1280959

## Specification

- Footswitch with 14 functions
- Top housing color light grey NCS-S-2502-B
- Labeled with black figures 1-6 dark black RAL9005
- Printed indicator
- Lower housing color dark grey NCS-S-7000-N
- 2 rocker switches with foot-rack
- Collar dark grey NCS-S-7000-N
- Pushbuttons with sleeve-color dark grey NCS-S-7000-N
- Joystick, switching diagonal, with rubber gaiter and mushroom-type knob, color dark grey NCS-S-7000-N



## Technical Data



Product name: MFS Microscope-MED

Part-no.: 1280959

Applied standards	IEC 60601-1 (Basic Safety) IEC 60529 (Degrees of protection)
Top housing	PC/ABS, UL 94-V0, similar NCS-S-2502-B (light grey)
Lower housing	PC/ABS, UL 94-V0, NCS-S-7000-N (dark grey)
Rockerswitch	4 switching functions, pushbuttons 18 N / $\geq 250.000$ lifetime per switch
Pushbutton	$\geq 250.000$ lifetime per pushbuttons
Joystick	4 switching function (diagonal switching) / $\geq 250.000$ lifetime per switch
Degree of protection	IPX8 (1m / 35 Min.) according to DIN EN 60529
Connection type	3 m shielded cable (16xAWG26 C UL 2464, RAL 7035), without connector
Dimensions (WxLxH)	242 x 420 x 115mm
Weight	$\leq 2,55$ kg

## Electrical Ratings

Supply voltage	max. 25 VAC / 60 VDC
Current consumption	max. 0,3 A
Switching capacity	max. 15 W

## Environmental Conditions

	Storage/Transport	Operating
Temperature range	-20 °C up to +60 °C	-10 °C up to +60 °C
Relative humidity	10 % up to 100 %	10 % up to 100 %
Air pressure	500 hPa – 1060 hPa	700 hPa – 1060 hPa

## Mounting/Wiring

Wire the foot switches according to the specified wire colours/terminal labelling. Contact symbols are shown for a not actuated switch.

## Maintenance

Depending on the environmental/operating conditions we recommend routine maintenance as follows:

- Check enclosure and connecting cable for damage and destructive dirt
- Check functional elements and actuating elements for free operation
- For only manual cleaning, use just a cloth impregnated with water and a mild detergent.
- Do not use cleaning agents which may damage the plastic surfaces such as detergents, abrasive cleansers or solvent-based cleaners (such as benzine, stain remover).
- During cleaning, avoid wiping with a cloth under the pedal, because this may cause the springs to move out of position.

## Disposal



Product name: MFS Microscope-MED

Part-no.: 1280959

- |  |
|--|
| <ul style="list-style-type: none"><li>• Observe national, local and legal regulations concerning disposal.</li></ul> |
| <ul style="list-style-type: none"><li>• Recycle each material separately.</li></ul>                                  |

## General notes

The foot switch as a component of a medical device can be evaluated only together in the overall system of the customer. Therefore the conformity evaluation including the classification of the overall system according to the Medical Device Directive 93/42/EEC respectively EU Medical Device Regulation 2017/745 must be carried out at the customer. In addition, validation can also only be carried out by the customer in the overall system.

Furthermore, the intended use and the basic functions are verifiable only in interaction with the overall system. As a result, the customer must involve the footswitch in his risk management, his usability analysis, the verification of the electromagnetic compatibility and, if applicable, the verification of the biocompatibility.

## Safety instructions

Despite careful production and inspection as well as redundant design of important components, an entirely safe function cannot be guaranteed at all times guaranteed (in case of malfunction, for example, a switch contact can turn off incorrectly, or a spring may break).

A functional test must be performed before every operation.

Risk of injury due to incorrect handling!

- The plug connections must not be subjected to mechanical loads!
- Switch off terminal before cleaning or maintenance work!
- Test functions when device is switched back on!
- Moving actuating components (e.g. carrying handle) can be a crushing hazard!
- Tripping hazard!

If components with reed contacts or hall sensors are used, strong magnetic fields can result in unwanted influences to the system. Additionally, magnetically conducting materials are to be kept away from the direct foot switch area!

The electrical connection may only be carried out by authorised personnel.

Components, especially pedals or other actuating elements, may not be disassembled or dismembered under any circumstances! If this happens the products need to be send back immediately.

Errors and omissions excepted.