

1e.3 ASSEMBLY AND DISASSEMBLY

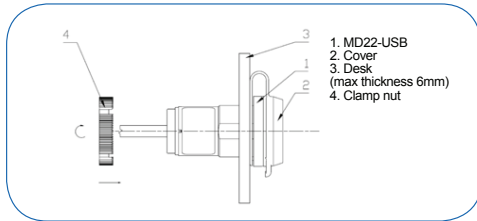


Fig. 1
Assembly of MD22-USB

MD22-USB communication (1) with cover (2) put into assembly hole at the front side of the desk(3). Then, the clamp nut (4) under the desk is tightened all the way. Fig. 1

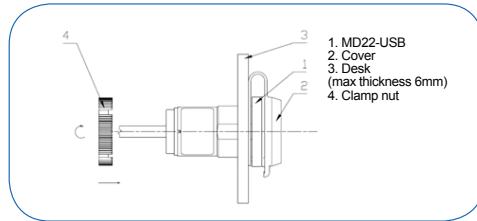
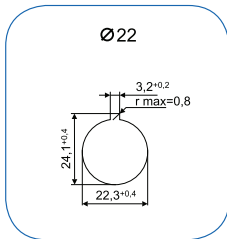


Fig. 2
Disassembly of MD22-USB

To disassemble USB, unscrew the clamp nut (4) which will allow you to remove the device (1) from the desk hole (3). Fig. 2

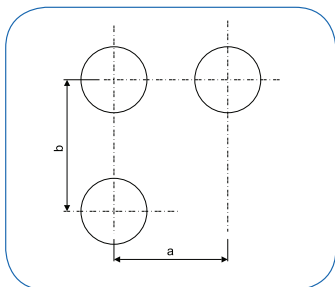
1e.4 ASSEMBLY HOLES

Dimensions [mm]



ASSEMBLY IN GROUPS

Min. distances [mm]



Assembly hole	a (mm)	b (mm)	Type of indicator
Ø 22	40	40	MD22-USB

1f ADDITIONAL ACCESSORIES

IDENTIFICATION PLATES TI

Purpose

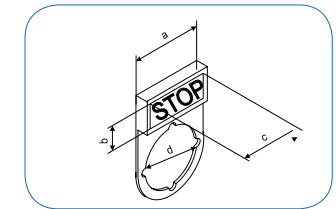
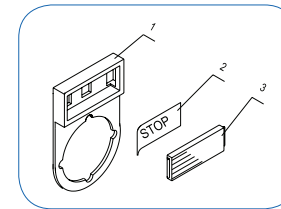
Identification plates (TI) are manufactured in two versions. The TI 22 version is dedicated to Ø22 signal lamps and control buttons, while the TI 30 version to Ø30 signal lamps and control buttons.

Construction

The information plate (1) has a function tag (2) – in the form of an insert made of paper, cardboard or foil – that is put under the transparent plate (3).

Dimensions

Type of plate Designation	Dimensions			
	a	b	c	d
W0-TI22	29,5	12	25	Ø22,5
W0-TI30	37,0	15	32	Ø30,5

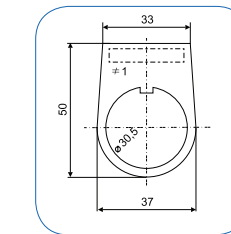


INFORMATION PLATES (NEF)

Purpose

NEF information plates are manufactured in one version, both for Ø30 signal lamps and control buttons.

- Space for an inscription or a sign (W0-TI XI)
- Ready inscription placed directly on the plate (W0-TI I to W0-TI X)



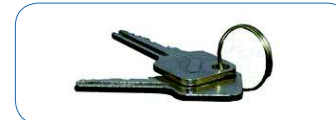
Designation	Content of inscription, sign
W0-TI I	START
W0-TI II	STOP
W0-TI III	I
W0-TI IV	O
W0-TI V	O I
W0-TI VI	I O II
W0-TI VII	Up
W0-TI VIII	Down
W0-TI IX	To the right
W0-TI X	To the left
W0-TI XI	No inscription

BULB EXTRACTOR






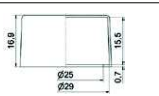

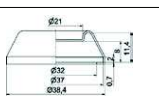

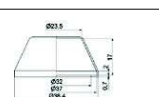

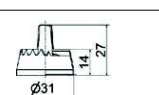

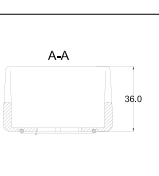

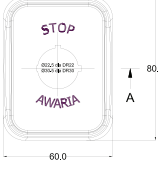

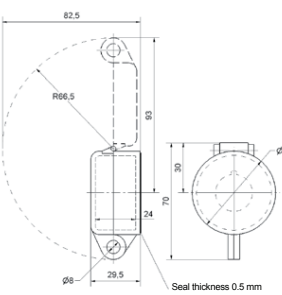
Designation	Description
TK-WYC.Ż.E23066	The bulb extractor is used to pull out and put in BA9s and BA7s bulbs.

SET OF KEYS

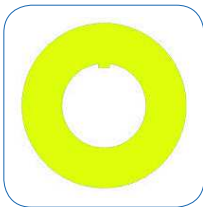
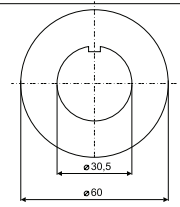

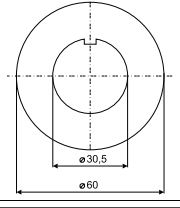
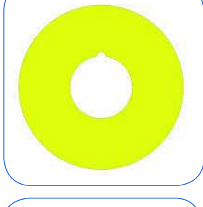
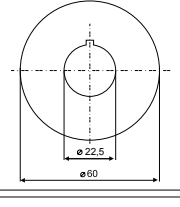

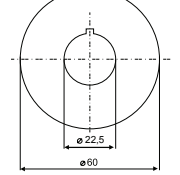


Designation	Description
TK-KLUCZYK043.110	The set of keys 043.110 (2 pcs.) for control buttons of NEF30 and N series and for KS control boxes.

SHIELDS


Designation	Description	Dimensions
 TK-OSLONA OK 22MM	The OK22 splash shield is intended to protect drives of the NEF22T-K and NEF22M-K covered buttons against the impact of water and dust. It provides the IP67 protection class.	
 TK-OSLONA OW 22MM	The OW22 splash shield is intended to protect drives of the NEF22T-W and NEF22M-W protruding buttons against the impact of water and dust. It provides the IP67 protection class.	
 TK-OSLONA OK 30MM	The OK30 splash shield is intended to protect drives of the NEF30-K covered buttons against the impact of water and dust. It provides the IP67 protection class.	
 TK-OSLONA OW 30MM	The OW30 splash shield is intended to protect drives of the NEF30-W protruding buttons against the impact of water and dust. It provides the IP67 protection class.	
 TK-OSLONA OP 22MM	The OP22 splash shield is intended to protect drives of the NEF22T-P and NEF22M-P knob-operated buttons against the impact of water and dust. It provides the IP66/67 protection class.	
 W0-OSLONA DR 22MM	The DR22 shield is intended for buttons with an assembly diameter of 22mm. Thanks to the using of a rubber basket at the bottom of the shield, it is possible to obtain the IP65 protection class. The shield is intended to protect safety buttons against inadvertent activation. It can be applied for palm buttons, provided that the diameter of the mushroom head does not exceed 50mm.	
 W0-OSLONA DR 30MM	The DR30 shield is intended for buttons with an assembly diameter of 30mm. Thanks to the using of a rubber basket at the bottom of the shield, it is possible to obtain the IP65 protection class. The shield is intended to protect safety buttons against inadvertent activation. It can be applied for palm buttons, provided that the diameter of the mushroom head does not exceed 50mm.	
 TK-OSLONA KWD 22MM	The shield is intended for covered, protruding and palm buttons with the assembly diameter of 22mm. Thanks to the using of a rubber basket at the bottom of the shield, it is possible to obtain the IP65 protection class. It is possible to lock the shield with a padlock. The shield is intended to protect safety buttons against inadvertent activation, or to prevent unauthorized use.	

YELLOW RINGS TO MARK EMERGENCY BUTTONS

Designation	Description	Dimensions
 W0-PIERŚC.ŻÓLTE DR	Yellow rings Ø30 mm intended for the NEF30 buttons.	
 W0-PIERŚC.ŻÓLTE DR STOP	Yellow rings Ø30 mm, intended for the NEF30 buttons. They include STOP-FAILURE inscription.	
 W0-PIERŚC.ŻÓLTE DR/P22	Yellow rings Ø22 mm, intended for the NEF22T, NEF22M buttons	
 W0-PIERŚC.ŻÓLTE DR STOP/FI22	Yellow rings Ø22 mm, intended for the NEF22T, NEF22M buttons. They include STOP-FAILURE inscription.	

Note: It is also possible to make special inscriptions on the ring, as requested by the client.

RUBBER SEAL FOR SEALED CONTROL BUTTONS NEF30

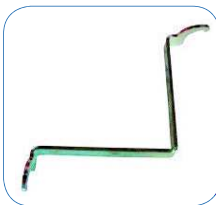
Designation	Description
 TK-U.GUM.NEF-3501	Rubber seal for sealed buttons NEF30

• HOLE COVERS



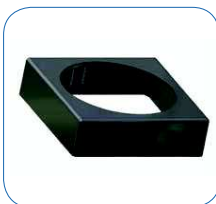
Designation	Description	Overall dimensions
W0-ZAŚLEPKA 22	A metal stopper for Ø22mm holes.	
W0-ZAŚLEPKA 30	A metal stopper for Ø30mm holes.	

• ASSEMBLY WRENCHES



Designation	Description
W0-KLUCZ NEF22	An assembly wrench for Ø22 mm buttons.
W0-KLUCZ NEF30	An assembly wrench for Ø30 mm buttons.

• SQUARE COVER PLATE FOR INDICATORS OF THE NEF30 SERIES



Designation	Description	Overall dimensions
W0 - NAKŁADKA NEF30	Square cover plate for indicators of the NEF30 series.	

• EARTHING RINGS FOR NEF22M AND NEF30 CONTROL BUTTONS



Designation	Description
W0-PIERŚC.UZIEM.FI22	Earthing ring for NEF22M control buttons (5 pcs.)
W0-PIERŚC.UZIEM.FI30	Earthing ring for NEF30 control buttons (5 pcs.)

