

# MINITEC

## Tactile remote control enclosures – perfect design for ‘personal’ electronics

MINITEC plastic enclosures convince the user with their mini-dimensions and maximum-benefits. Choose between “MINITEC EDGE” design, or “MINITEC DROP” shape.

- modern, flat styling **\*\*\* iF product design award \*\*\***
- easy to wear and always within easy reach, e.g. round your neck or round your wrist, on your key ring or on a belt
- intermediate rings in different versions and colours; TPE material for a pleasant touch sensation and impact protection
- ABS (UL 94 HB); also available in infra-red light-permeable PMMA plexiglas
- recessed operating area for protecting the membrane keypad or decorative foil/label; MINITEC Edge models also with smooth top for push-buttons
- protection class IP 41: design Edge (size M) and Drop (sizes S and M) with intermediate ring in TPE, all others IP 40
- ordered as individual components for multiple type/colour combinations, 3 sizes each

### To achieve one MINITEC, please order:

1 bottom and top part  
1 intermediate ring  
(screw supplied with case)

## Designer Statement

"Fresh colours and shapes for an active public: you can wear MINITEC close to the body, on a lanyard, belt or wrist strap. Mobile smart home functions and IoT solutions can be optimally integrated in MINITEC. Two design variants – an organic form 'Drop' and a more technical design 'Edge' – in conjunction with colourful applications offer the opportunity to make a system perceptible. A clever enclosure that becomes the visible and tangible ambassador for your product!"

Martin Nußberger, polyform Industrie Design

# MINITEC



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## Applications and Examples

- Many different types of remote control systems
- Specially made for the medical and social fields as well as in the household and in industry, e.g. emergency systems, monitoring and alarm equipment, radio remote control etc.
- Mobile USB solutions, e.g. compact measurement devices with data recording used as data logger sticks
- IoT/IloT applications
- Wearables



A personal alarm on your mobile phone



GPS tracking in real time



LoRa GPS tracker with alarm button



Mobile air quality monitoring



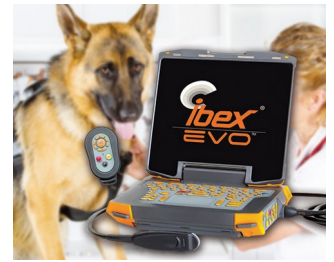
Mobile RFID information system



Mobile Security Solutions for workers



Mobile UHF RFID scanner



Portable ultrasonic device for veterinary medicine



Radio paging systems



Radio transmitter for emergency call system for patients



RFID sensor transponder and data logger



Smart TAG



Tension meter for measuring belt pretension

## Customising Options

# MINITEC

What do you still need for your own very personal product? We can supply enclosures and tuning knobs with all necessary modifications for fitting your electronic components.  
Customising options for Minitec



Machining



Lacquering



Printing



Laser marking



Decor foils



Special material



EMC shielding



Installation / Assembly  
of accessories

## Select Versions



**B9002806**  
Bottom and top part ES  
PMMA (IR) (UL 94 HB)  
black RAL 9005  
52x32x15mm



**B9002807**  
Bottom and top part ES  
ABS (UL 94 HB)  
off-white RAL 9002  
52x32x15mm



**B9002808**  
Bottom and top part ES  
ABS (UL 94 HB)  
lava  
52x32x15mm



**B9002856**  
Bottom and top part ES  
PMMA (IR) (UL 94 HB)  
black RAL 9005  
52x32x15mm



**B9002857**  
Bottom and top part ES  
ABS (UL 94 HB)  
off-white RAL 9002  
52x32x15mm



**B9002858**  
Bottom and top part ES  
ABS (UL 94 HB)  
lava  
52x32x15mm



**B9002906**  
Bottom and top part DS  
PMMA (IR) (UL 94 HB)  
black RAL 9005  
51x32x13mm



**B9002907**  
Bottom and top part DS  
ABS (UL 94 HB)  
off-white RAL 9002  
51x32x13mm



# MINITEC



**B9002908**  
 Bottom and top part DS  
 ABS (UL 94 HB)  
 lava  
 51x32x13mm



**B9004806**  
 Bottom and top part EM  
 PMMA (IR) (UL 94 HB)  
 black RAL 9005  
 68x42x18mm



**B9004807**  
 Bottom and top part EM  
 ABS (UL 94 HB)  
 off-white RAL 9002  
 68x42x18mm



**B9004808**  
 Bottom and top part EM  
 ABS (UL 94 HB)  
 lava  
 68x42x18mm



**B9004856**  
 Bottom and top part EM  
 PMMA (IR) (UL 94 HB)  
 black RAL 9005  
 68x42x18mm



**B9004857**  
 Bottom and top part EM  
 ABS (UL 94 HB)  
 off-white RAL 9002  
 68x42x18mm



**B9004858**  
 Bottom and top part EM  
 ABS (UL 94 HB)  
 lava  
 68x42x18mm



**B9004906**  
 Bottom and top part DM  
 PMMA (IR) (UL 94 HB)  
 black RAL 9005  
 70x44x16mm



**B9004907**  
 Bottom and top part DM  
 ABS (UL 94 HB)  
 off-white RAL 9002  
 70x44x16mm



**B9004908**  
 Bottom and top part DM  
 ABS (UL 94 HB)  
 lava  
 70x44x16mm



**B9006806**  
 Bottom and top part EL  
 PMMA (IR) (UL 94 HB)  
 black RAL 9005  
 78x48x20mm



**B9006807**  
 Bottom and top part EL  
 ABS (UL 94 HB)  
 off-white RAL 9002  
 78x48x20mm



**B9006808**  
 Bottom and top part EL  
 ABS (UL 94 HB)  
 lava  
 78x48x20mm



**B9006816**  
 Bottom and top part EL  
 PMMA (IR) (UL 94 HB)  
 black RAL 9005  
 78x48x24mm



**B9006817**  
 Bottom and top part EL  
 ABS (UL 94 HB)  
 off-white RAL 9002  
 78x48x24mm



**B9006818**  
 Bottom and top part EL  
 ABS (UL 94 HB)  
 lava  
 78x48x24mm

# MINITEC



**B9006826**  
Bottom and top part EL  
PMMA (IR) (UL 94 HB)  
black RAL 9005  
78x48x26mm



**B9006827**  
Bottom and top part EL  
ABS (UL 94 HB)  
off-white RAL 9002  
78x48x26mm



**B9006828**  
Bottom and top part EL  
ABS (UL 94 HB)  
lava  
78x48x26mm



**B9006856**  
Bottom and top part EL  
PMMA (IR) (UL 94 HB)  
black RAL 9005  
78x48x20mm



**B9006857**  
Bottom and top part EL  
ABS (UL 94 HB)  
off-white RAL 9002  
78x48x20mm



**B9006858**  
Bottom and top part EL  
ABS (UL 94 HB)  
lava  
78x48x20mm



**B9006906**  
Bottom and top part DL  
PMMA (IR) (UL 94 HB)  
black RAL 9005  
84x53x19mm



**B9006907**  
Bottom and top part DL  
ABS (UL 94 HB)  
off-white RAL 9002  
84x53x19mm



**B9006908**  
Bottom and top part DL  
ABS (UL 94 HB)  
lava  
84x53x19mm

## System components to complete



**B9002302**  
Intermediate ring DS  
TPE  
lava



**B9002303**  
Intermediate ring DS  
SEBS (TPE)  
orange



**B9002304**  
Intermediate ring DS  
SEBS (TPE)  
green



**B9002305**  
Intermediate ring DS  
TPE  
blue

# MINITEC



**B9002306**  
 Intermediate ring DS  
 PMMA (IR) (UL 94 HB)  
 black RAL 9005



**B9002307**  
 Intermediate ring DS  
 SEBS (TPE)  
 off-white RAL 9002



**B9002308**  
 Intermediate ring DS  
 TPE  
 volcano



**B9002309**  
 Intermediate ring DS  
 ABS (UL 94 HB)  
 black RAL 9005



**B9002352**  
 Intermediate ring DS  
 TPE  
 lava



**B9002353**  
 Intermediate ring DS  
 TPE  
 orange



**B9002354**  
 Intermediate ring DS  
 TPE  
 green



**B9002355**  
 Intermediate ring DS  
 TPE  
 blue



**B9002356**  
 Intermediate ring DS  
 PMMA (IR) (UL 94 HB)  
 black RAL 9005



**B9002357**  
 Intermediate ring DS  
 SEBS (TPE)  
 off-white RAL 9002



**B9002358**  
 Intermediate ring DS  
 TPE  
 volcano



**B9002359**  
 Intermediate ring DS  
 ABS (UL 94 HB)  
 black RAL 9005



**B9002702**  
 Intermediate ring ES  
 TPE  
 lava



**B9002703**  
 Intermediate ring ES  
 TPE  
 orange



**B9002704**  
 Intermediate ring ES  
 TPE  
 green



**B9002705**  
 Intermediate ring ES  
 TPE  
 blue



# MINITEC



**B9002706**  
 Intermediate ring ES  
 PMMA (IR) (UL 94 HB)  
 black RAL 9005



**B9002707**  
 Intermediate ring ES  
 TPE  
 off-white RAL 9002



**B9002708**  
 Intermediate ring ES  
 TPE  
 volcano



**B9002709**  
 Intermediate ring ES  
 ABS (UL 94 HB)  
 black RAL 9005



**B9002752**  
 Intermediate ring ES  
 TPE  
 lava



**B9002753**  
 Intermediate ring ES  
 TPE  
 orange



**B9002754**  
 Intermediate ring ES  
 TPE  
 green



**B9002755**  
 Intermediate ring ES  
 TPE  
 blue



**B9002756**  
 Intermediate ring ES  
 PMMA (IR) (UL 94 HB)  
 black RAL 9005



**B9002757**  
 Intermediate ring ES  
 TPE  
 off-white RAL 9002



**B9002758**  
 Intermediate ring ES  
 TPE  
 volcano



**B9002759**  
 Intermediate ring ES  
 ABS (UL 94 HB)  
 black RAL 9005



**B9004302**  
 Intermediate ring DM  
 TPE  
 lava



**B9004303**  
 Intermediate ring DM  
 TPE  
 orange



**B9004304**  
 Intermediate ring DM  
 TPE  
 green



**B9004305**  
 Intermediate ring DM  
 TPE  
 blue



# MINITEC



**B9004306**  
 Intermediate ring DM  
 PMMA (IR) (UL 94 HB)  
 black RAL 9005



**B9004307**  
 Intermediate ring DM  
 SEBS (TPE)  
 off-white RAL 9002



**B9004308**  
 Intermediate ring DM  
 TPE  
 volcano



**B9004309**  
 Intermediate ring DM  
 ABS (UL 94 HB)  
 black RAL 9005



**B9004702**  
 Intermediate ring EM  
 TPE  
 lava



**B9004703**  
 Intermediate ring EM  
 TPE  
 orange



**B9004704**  
 Intermediate ring EM  
 TPE  
 green



**B9004705**  
 Intermediate ring EM  
 TPE  
 blue



**B9004706**  
 Intermediate ring EM  
 PMMA (IR) (UL 94 HB)  
 black RAL 9005



**B9004707**  
 Intermediate ring EM  
 TPE  
 off-white RAL 9002



**B9004708**  
 Intermediate ring EM  
 TPE  
 volcano



**B9004709**  
 Intermediate ring EM  
 ABS (UL 94 HB)  
 black RAL 9005



**B9004752**  
 Intermediate ring EM  
 TPE  
 lava



**B9004753**  
 Intermediate ring EM  
 SEBS (TPE)  
 orange



**B9004754**  
 Intermediate ring EM  
 TPE  
 green



**B9004755**  
 Intermediate Ring EM  
 TPE  
 blue

# MINITEC



**B9004756**  
Intermediate ring EM  
PMMA (IR) (UL 94 HB)  
black RAL 9005



**B9004757**  
Intermediate ring EM  
SEBS (TPE)  
off-white RAL 9002



**B9004758**  
Intermediate Ring EM  
TPE  
volcano



**B9004759**  
Intermediate ring EM  
ABS (UL 94 HB)  
black RAL 9005



**B9004776**  
Intermediate ring EM, Micro USB  
5 P, B Type SMT  
PMMA (IR) (UL 94 HB)  
black RAL 9005



**B9004778**  
Intermediate ring EM, Micro USB  
5 P, B Type SMT  
SEBS (TPE)  
volcano



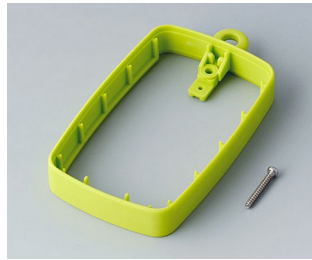
**B9004779**  
Intermediate ring EM, Micro USB  
5 P, B Type SMT  
ABS (UL 94 HB)  
black RAL 9005



**B9004782**  
Intermediate ring EM, high  
SEBS (TPE)  
lava



**B9004783**  
Intermediate ring EM, high  
TPE  
orange



**B9004784**  
Intermediate ring EM, high  
SEBS (TPE)  
green



**B9004785**  
Intermediate ring EM, high  
TPE  
blue



**B9004786**  
Intermediate ring EM, high  
PMMA (IR) (UL 94 HB)  
black RAL 9005



**B9004787**  
Intermediate ring EM, high  
SEBS (TPE)  
off-white RAL 9002



**B9004788**  
Intermediate ring EM, high  
TPE  
volcano



**B9004789**  
Intermediate ring EM, high  
ABS (UL 94 HB)  
black RAL 9005



**B9004796**  
Intermediate ring EM, USB type  
A  
PMMA (IR) (UL 94 HB)  
black RAL 9005

# MINITEC



**B9004798**  
 Intermediate ring EM, USB type  
 A  
 SEBS (TPE)  
 volcano



**B9004799**  
 Intermediate ring EM, USB type  
 A  
 ABS (UL 94 HB)  
 black RAL 9005



**B9006302**  
 Intermediate ring DL  
 TPE  
 lava



**B9006303**  
 Intermediate ring DL  
 TPE  
 orange



**B9006304**  
 Intermediate ring DL  
 TPE  
 green



**B9006305**  
 Intermediate ring DL  
 TPE  
 blue



**B9006306**  
 Intermediate ring DL  
 PMMA (IR) (UL 94 HB)  
 black RAL 9005



**B9006307**  
 Intermediate ring DL  
 SEBS (TPE)  
 off-white RAL 9002



**B9006308**  
 Intermediate ring DL  
 TPE  
 volcano



**B9006309**  
 Intermediate ring DL  
 ABS (UL 94 HB)  
 black RAL 9005



**B9006702**  
 Intermediate ring EL  
 TPE  
 lava



**B9006703**  
 Intermediate ring EL  
 TPE  
 orange



**B9006704**  
 Intermediate ring EL  
 SEBS (TPE)  
 green



**B9006705**  
 Intermediate ring EL  
 TPE  
 blue



**B9006706**  
 Intermediate ring EL  
 PMMA (IR) (UL 94 HB)  
 black RAL 9005



**B9006707**  
 Intermediate ring EL  
 SEBS (TPE)  
 off-white RAL 9002



# MINITEC



**B9006708**  
 Intermediate ring EL  
 TPE  
 volcano



**B9006709**  
 Intermediate ring EL  
 ABS (UL 94 HB)  
 black RAL 9005



**B9006752**  
 Intermediate ring EL  
 TPE  
 lava



**B9006753**  
 Intermediate ring EL  
 TPE  
 orange



**B9006754**  
 Intermediate ring EL  
 SEBS (TPE)  
 green



**B9006755**  
 Intermediate ring EL  
 TPE  
 blue



**B9006756**  
 Intermediate ring EL  
 PMMA (IR) (UL 94 HB)  
 black RAL 9005



**B9006757**  
 Intermediate ring EL  
 SEBS (TPE)  
 off-white RAL 9002



**B9006758**  
 Intermediate ring EL  
 TPE  
 volcano



**B9006759**  
 Intermediate ring EL  
 ABS (UL 94 HB)  
 black RAL 9005



**B9006782**  
 Intermediate ring EL  
 SEBS (TPE)  
 lava



**B9006783**  
 Intermediate ring EL  
 TPE  
 orange



**B9006784**  
 Intermediate ring EL  
 SEBS (TPE)  
 green



**B9006785**  
 Intermediate ring EL  
 TPE  
 blue



**B9006786**  
 Intermediate ring EL  
 PMMA (IR) (UL 94 HB)  
 black RAL 9005



**B9006787**  
 Intermediate ring EL  
 SEBS (TPE)  
 off-white RAL 9002

# MINITEC



**B9006788**  
Intermediate ring EL  
TPE  
volcano



**B9006789**  
Intermediate ring EL  
ABS (UL 94 HB)  
black RAL 9005

## Accessory "carrying"



**A9164001**  
Key ring  
Steel  
nickel-plated  
20.5mm



**B9100033**  
Wrist strap  
black  
280mm



**B9100063**  
Carrying strap, textile lanyard  
black  
860mm



**B9100073**  
Carrying strap, textile lanyard  
black  
914x16mm



**B9106108**  
Strap eyelet EL  
ABS (UL 94 HB)  
lava

## Accessory



**B9100073**  
Carrying strap, textile lanyard  
black  
914x16mm