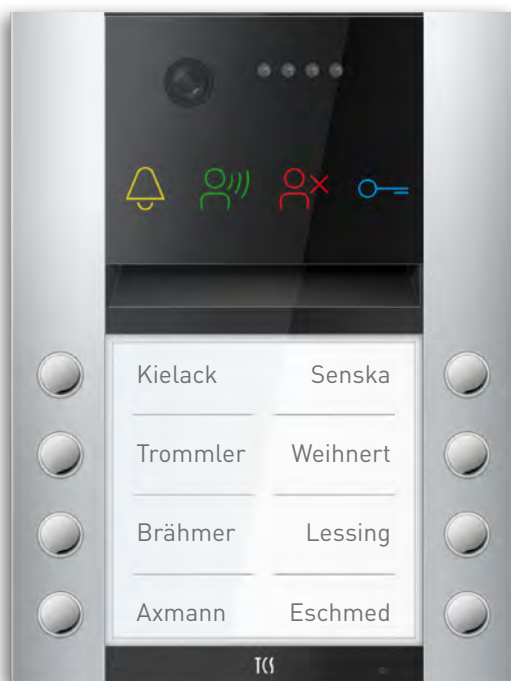


SERIES PES PRO

FRONT-DOOR STATION AUDIO | VIDEO

SURFACE-MOUNT

NEW

TCS:
BUSVIDEO
2
DRAHT

The surface-mount PES PRO is a compact front-door station designed for 1 to 120 residential units. It features a modern design and technology open to future developments. Functions and sizes can be combined to suit the project. When selecting materials, we also have the future in mind: high-quality and recyclable materials are used for the housing and electronics.

SPECIAL FEATURES

- > Universal devices, usable in both TCS:BUS and Video-2-wire connections
- > Illuminated buttons, nameplates, and barrier-free symbols
- > Brightness sensor for reduced energy consumption of button and nameplate illumination
- > Horizontally and vertically expandable with up to 4 bell button extensions
- > Retroactive exchange of the audio module for the equally sized video module possible

VIDEO VARIANT

- > 130° video camera with 4 digitally adjustable positions
- > 3 infrared LEDs for better night vision

COLORS | MATERIALS

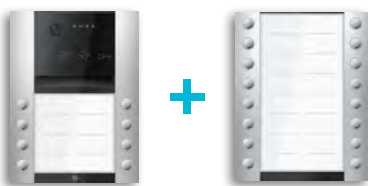
Aluminium,
anodised naturalAluminium,
powder-coated
white, RAL9010Aluminium,
powder-coated,
anthracite, RAL7016RAL colours and
special anodised
finishes

VARIANTS

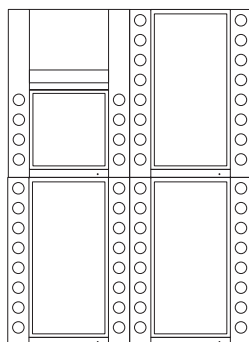
Front-door stations
PES PRO | SURFACE-MOUNTbell button extensions
PET PRO

SERIES PES PRO

EXTENSIONS

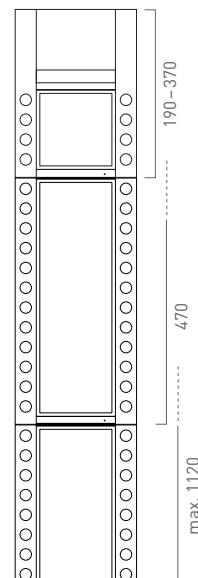


To build a front-door station with more than 24 bell buttons, the PES PRO series is expanded with up to 4 PET PRO bell button extensions. Extensions can be mounted horizontally and vertically on the front-door station.



PES PRO front-door station with extensions in horizontal and vertical arrangement.

PES PRO front-door station with extensions in vertical arrangement up to a maximum of 1120 mm.



COMBINATION EXAMPLES

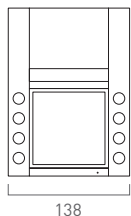


FRONT-DOOR STATIONS AND BELL BUTTON EXTENSIONS BY NUMBER OF BUTTONS

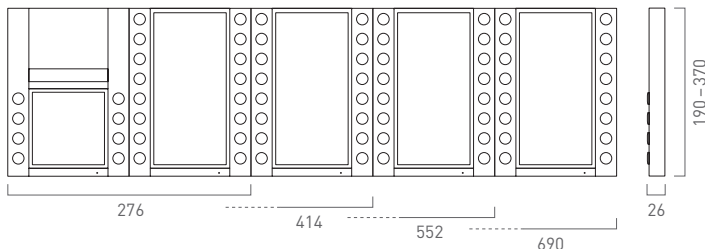
- 9 buttons: PES PRO 1 button + PET PRO 8 buttons
- 10 buttons: PES PRO 2 buttons + PET PRO 8 buttons
- 11 Buttons: PES PRO 3 buttons + PET PRO 8 buttons
- 12 Buttons: PES PRO 4 buttons + PET PRO 8 buttons
- 13 Buttons: PES PRO 1 button + PET PRO 12 buttons
- 14 buttons: PES PRO 6 buttons + PET PRO 8 buttons or PES PRO 2 buttons + PET PRO 12 buttons
- 15 buttons: PES PRO 3 buttons + PET PRO 12 buttons or PES PRO 3 buttons + PET PRO 12 buttons
- 16 buttons: PES PRO 8 buttons + PET PRO 8 buttons or PES PRO 4 buttons + PET PRO 12 buttons
- 17 buttons: PES PRO 1 button + PET PRO 16 buttons, short
- 18 Buttons: PES PRO 6 buttons + PET PRO 12 buttons or PES PRO 2 buttons + PET PRO 16 buttons, short
- 19 Buttons: PES PRO 3 buttons + PET PRO 16 buttons, short
- 20 buttons: PES PRO 8 buttons + PET PRO 12 buttons or PES PRO 4 buttons + PET PRO 16 buttons, short
- ...

DIMENSIONS (IN MM)

front-door station



front-door station with horizontal extensions



HOUSING DIMENSIONS

- Width: 138 mm, Depth: 26 mm,
- Height: 190 mm for 1 to 8 buttons
- Height: 280 mm for 10 to 16 buttons
- Height: 370 mm for 17 to 24 buttons

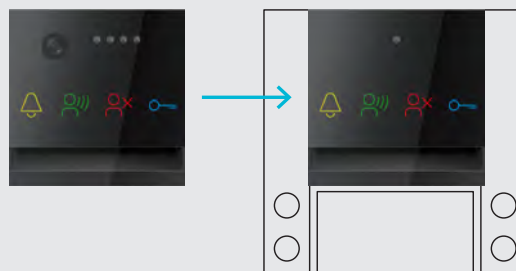
SUSTAINABLE THROUGH MODULAR FUNCTIONS

UPGRADE: Simple conversion from audio to video front-door station

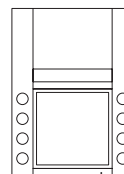
- > TCS:BUS Universal Module, Art. No. E50527
[V2D | V6D – Video-2-wire/ Video-6-wire]

MAINTENANCE: Simple replacement of the audio or video module

- > TCS:BUS Audio Module, Art. No. E50606
- > Video-2-wire/ Video-6-wire Video Module, Art. No. E50527
- > PES PRO Nameplate Module 90x90 mm, Art. No. E38168



SERIES PES PRO



SERIE PES PRO SURFACE-MOUNT	HxWxD in mm	AUDIO Article No.	VIDEO Article No.
1 Button	190 x 138 x 26	ASA110101-00..	AVA610101-00..
2 Buttons	190 x 138 x 26	ASA110102-00..	AVA610102-00..
3 Buttons	190 x 138 x 26	ASA110103-00..	AVA610103-00..
4 Buttons	190 x 138 x 26	ASA110104-00..	AVA610104-00..
6 Buttons	190 x 138 x 26	ASA110206-00..	AVA610206-00..
8 Buttons	190 x 138 x 26	ASA110208-00..	AVA610208-00..
10 Buttons	280 x 138 x 26	ASA120210-00..	AVA620210-00..
12 Buttons	280 x 138 x 26	ASA120212-00..	AVA620212-00..
14 Buttons	280 x 138 x 26	ASA120214-00..	AVA620214-00..
16 Buttons	280 x 138 x 26	ASA120216-00..	AVA620216-00..
18 Buttons	370 x 138 x 26	ASA130218-00..	AVA630218-00..
20 Buttons	370 x 138 x 26	ASA130220-00..	AVA630220-00..
22 Buttons	370 x 138 x 26	ASA130222-00..	AVA630222-00..
24 Buttons	370 x 138 x 26	ASA130224-00..	AVA630224-00..

Colours | materials: ... 30 stainless steel, polished, ...17 aluminium, powder-coated, anthracite, ...19 aluminium, powder-coated, white
 Versions ...10 available from stock, subject to prior sale | ...17, ...19 with delivery time on request

PET PRO EXTENSION FOR PES PRO | SURFACE-MOUNT

	HxWxD in mm	Article No.
8 Buttons	190 x 138 x 26	AEA520208-00..
12 Buttons	190 x 138 x 26	AEA520212-00..
16 Buttons, short	190 x 138 x 26	AEA520216-00..
16 Buttons, long	280 x 138 x 26	AEA530216-00..
20 Buttons	280 x 138 x 26	AEA530220-00..
24 Buttons	280 x 138 x 26	AEA530224-00..

Colours | materials: ... 30 stainless steel, polished, ...17 aluminium, powder-coated, anthracite, ...19 aluminium, powder-coated, white
 Versions ...10 available from stock, subject to prior sale | ...17, ...19 with delivery time on request

ACCESSORIES	HxWxD in mm	Article No.
TCS:BUS audio module	95 x 90 x 23	E50606
V2D V6D video module (Video-2-wire Video-6-wire)	95 x 90 x 23	E50527
PES PRO name field module 90 x 90 mm	90 x 90 x 4	E38168
PES PRO name field module 180 x 90 mm	182 x 90 x 4	E38169
PES PRO name field module 270 x 90 mm	272 x 90 x 4	E38170
Labelling polyester film, 5 pieces		SPNA4



PET PRO,
16 Buttons



TCS:BUS audio and
V2D | V6D module
(Video-2-wire,
Video-6-wire)



PES PRO
name field modules

SERIES PES PRO

DEVICE PROPERTIES

- > Contour lighting of the buttons in white
- > Bell button made of plastic with a metal cap and maintenance-free gold contacts
- > Assignment of 2 indoor stations per bell button possible
- > Energy-saving nameplate illumination with LED
- > Nameplate made of shatterproof glass

OPTICAL INDICATORS

- > Display of operating states through acoustic signals and large, brightly lit symbols, barrier-free according to DIN 18040-1
- > Call: yellow illuminated bell symbol
- > Speech connection: green illuminated speech symbol
- > Error: red illuminated error symbol
- > Door opening: blue illuminated key symbol

FUNCTIONS

- > Any bell button can be used to switch lights
- > Modular design: individual components replaceable
- > EEPROM board replaceable, backward compatible to 2016
- > Front-door station simulates door buzzer sound, deactivation possible
- > All acoustic signals adjustable via a rotary knob, automatic detection based on operating state
- > Speaking volume: adjustable during active speech connection
- > Acknowledgment tone volume: adjustable at rest
- > Door buzzer volume: adjustable during door opener signal
- > Display brightness: adjustable after pressing the image activation button on the indoor station
- > Door opener time: adjustable from 0 to 15 seconds, factory set to 4 seconds
- > Call time: adjustable from 0 to 7.5 seconds, factory set to 0 seconds (inactive)
- > Privacy function activatable (factory deactivated)
- > ePTZ camera function: image section selectable from the overall image or from 3 x 3 sectors with up to 4 presets for switching
- > Usable according to GDPR requirements
- > Optional security function: door opener only triggerable during call or active speech connection

TECHNICAL DATA

- > Material and color: Aluminum in silver
- > Surface treatment: anodized
- > Supply voltage TCS:BUS: 24 V $\pm$ 8%
- > Supply voltage Video-2-wire:BUS: 32 V $\pm$ 8%
- > Protection class: IP44
- > Permissible ambient temperature: -25 °C to 55 °C
- > Housing dimensions: Height: 190 mm, 280 mm or 370 mm, Width: 138 mm, Depth: 26 mm

- > Audio variant ASA1x0xxx-0010:
TCS:BUS 2-wire operation
TCS:BUS 3-wire operation
Video-2-wire:BUS 2-wire operation
Video-2-wire:BUS 3-wire operation
- > Video variant AVA6x0xxx-0010:
TCS:BUS 3-wire operation
TCS:BUS 6-wire operation
Video-2-wire:BUS 2-wire operation
Video-2-wire:BUS 3-wire operation

(Idle input current and maximum input current see product information on page 10 – www.tcsneu.de/pespro)

VIDEO CAMERA

- > Camera type: Color camera with 1/3" CMOS image sensor
- > Resolution: (TVL) 600, 976 x 496 pixels
- > Light sensitivity with infrared support: 0 lux
- > Light sensitivity without infrared support: 1 lux
- > Automatic day/night switch
- > Detection angle: diagonal 130°/ horizontal 112°/ vertical 77°
- > Focal length f: 2.5 mm
- > Video output: 1 Vpp, balanced, 1 Vss CVBS

MOUNTING

- > Surface mounting for outdoor use
- > Recommended installation height: 1.60 m
- > Connections for bell button extension and relay
- > Wiring: simple and tool-free with removable plug-in terminals and spring contacts

ACCESSORIES

- > Relay module FAA3100-0300

SUSTAINABILITY/ENVIRONMENTAL PROTECTION

- > Packaging made from recycled material
- > Housing and electronics recyclable
- > 15-year lifespan
- > RoHS/REACH compliant

CONTACT

For planning questions, use the technical hotline advice

Phone +49 4194 9881-188
(German landline)

Send your inquiries to

Fax +49 4194 9881-189
E-Mail hotline@tcsag.de

