DOMINUS·3

Integrated security solution

Dominus3 catalogue version 1.0

Comprehensive security solution

Dominus3 is a system which brings together the functions of an functions of an intrusion system and access control system.

It also interconnects the main security platforms

with smart building technology management and integration extensions.

Why Dominus3?

✓ Size without compromise

Dominus3 is, in its essence, designed as a modular solution. No matter what you aim to secure – be it a residential building, bank or an international airport – it will always adjust to your needs. Dominus3 grows with your requirements.

✓ Simplicity of installation

Dominus3 can handle thousands of address modules. One would expect that this scope comes with complex installation and maintenance requirements, but this is not the case. Intuitive connection, automatic topology recognition, pre-defined module properties and remote control will save you precious time.

✓ Security at the highest level

Dominus3 provides encrypted bus communication, thus increasing the security of the entire solution to the highest level possible. This high-tech solution is not intended solely for military facilities, prisons and banks.

Its flexibility makes Dominus3 ideal for securing any commercial premises.

✓ Design is important

The keypad is usually located at the entrance door to the building where it is readily visible to all visitors. With modern building technologies, the design needs to be both functional and tasteful. That is why our keypad is not only functional but also offers a timeless look, either in black or white.

Certification

Dominus3 is approved by an accredited testing body and certified as I & HAS according to CSN EN 50131 and in accordance with the requirements of the National Security Authority up to level 4 – high risk. With such accreditation and certificates, the Dominus3 system can be used in buildings with the strictest demands on the level of security.

Safety with tradition

For more than 20 years, Dominus systems have been securing premises with the highest demands on safety. They are used to secure buildings utilised by public institutions, banks and prisons all over the Czech Republic and Slovakia.

Dominus3 integrates long-term findings obtained through development and transforms them into its key properties – modern design, ergonomics and ease of installation.

It provides maximum security to solutions of any size – be it a single room or the entire premises.

Thanks to its modularity, Dominus3 can be used in a number of different types of buildings:

Residential

✓ Residences

Commercial

✓ Administration
✓ Banking
✓ Commercial premises

State sector

✓ Education
✓ Healthcare
✓ Prison service
✓ Armed and police forces

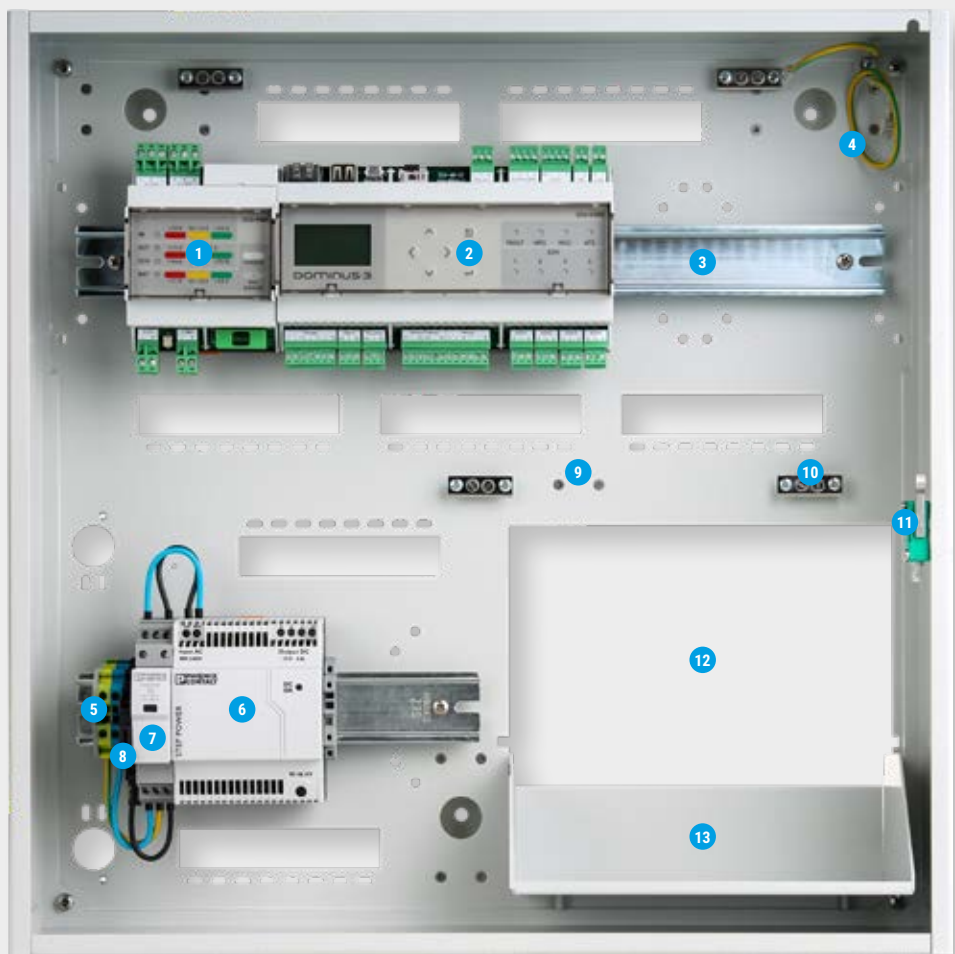## Transport and power sector

✓ Transport
✓ Power industry

Industry and manufacturing

✓ Industry
✓ Manufacturing

Leisure

✓ Cultural monuments and museums
✓ Sport
✓ Guest houses and hotels

Control panel – full assembly

The control panel is the core module of the Dominus3 system for controlling the entire system. It also creates a communication interface for the connection of expansion modules and programme extensions.

The control panel of the Dominus3 system is available in one version. Its properties are mainly given by its software.

PARAMETERS	Dominus3 control panel
Maximum number of inputs/outputs	10 000
Maximum number of subsystems	unlimited
Maximum number of doors	2 000
Maximum number of users	50 000
Maximum number of events	unlimited
Maximum number of lines	12
Maximum number of modules per line	240

1. CCU-PWR
2. CCU-CORE
3. DIN rail with integrated H-BUS
4. connection of mechanical earth of the individual components
5. mains connection terminal 230 V / 50 Hz
6. STEP-PS/1AC/15DC/4 voltage source for the control panel
7. PLT-SEC-T3-230-FM overvoltage protection
8. FU1 – F 250 V / 3,15 A
9. tamper contact providing protection against removal from the wall
10. 4× earthing bridges for connection of cable shielding
11. cover safety contact
12. 12 V / 24 Ah battery compartment
13. backup battery support

The control panel consists of several independent modules:

✓ primary-switched power supply STEP-PS
✓ overvoltage protection
✓ CCU-PWR power supply with battery backup
✓ CCU-CORE control panel module
✓ cabinet with safety contacts

KPD-ECO
4× IN

KPD-WGD
4× IN
2× doors
2× reader

KPD-HID
4× IN
2× doors
1× integrated reader
1× reader

CTR-STD

CTR-RPT

Repeater
Bus insulator

CTR-STD
8× IN
1× OUT

CTR-RPT
8× IN
1× OUT

CTR-RE8

PWR

CTR-RE8
8× OUT

PWR
System supply

ACC-2W1

ACC-2W1
4× IN
2× doors
2× reader

PWR

PWR
System supply

ADN

CCU

CCU-PWR   CCU-CORE   CCU-EXP   CCU-EXP2

ADN
1–240 addresses for each L1–L12 line
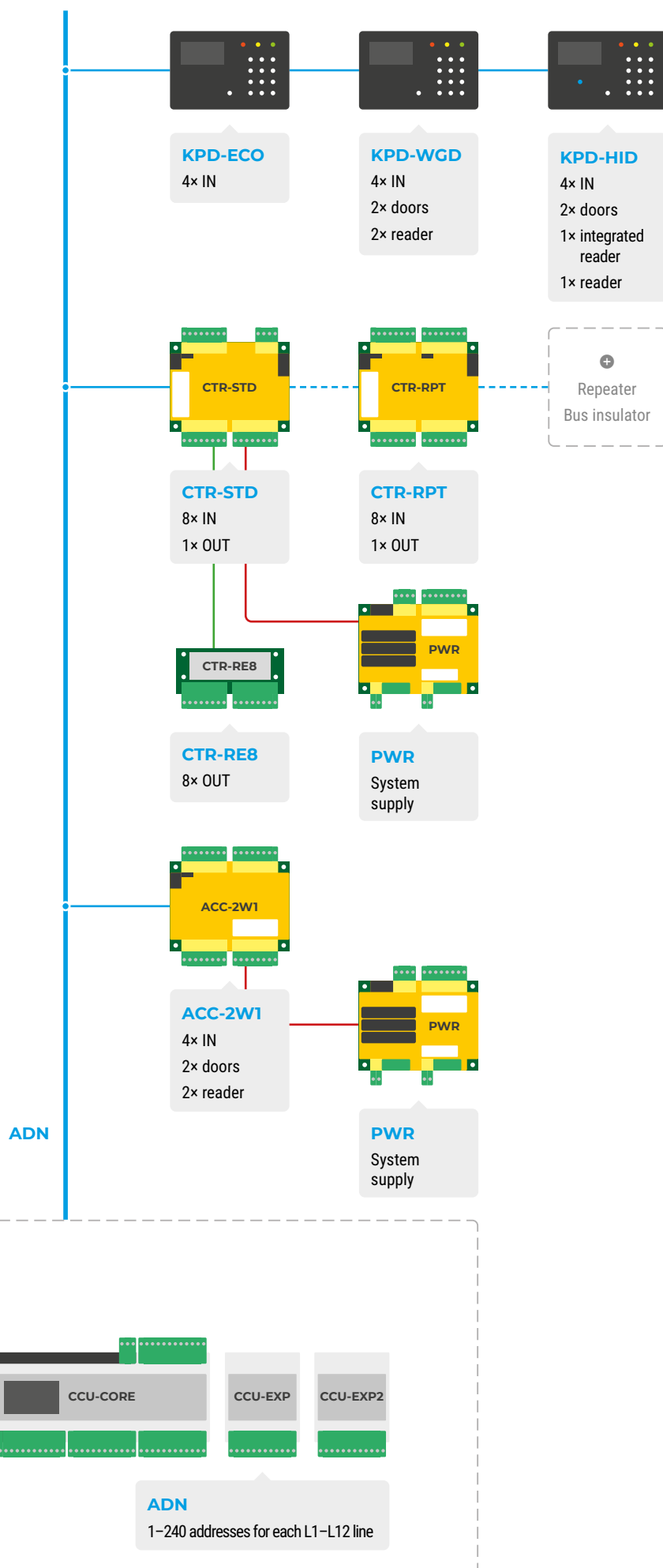
Control panel

The core control panel module CCU-CORE operates and controls the entire Dominus3 system. It is designed for installation onto a DIN rail with integrated H-BUS.
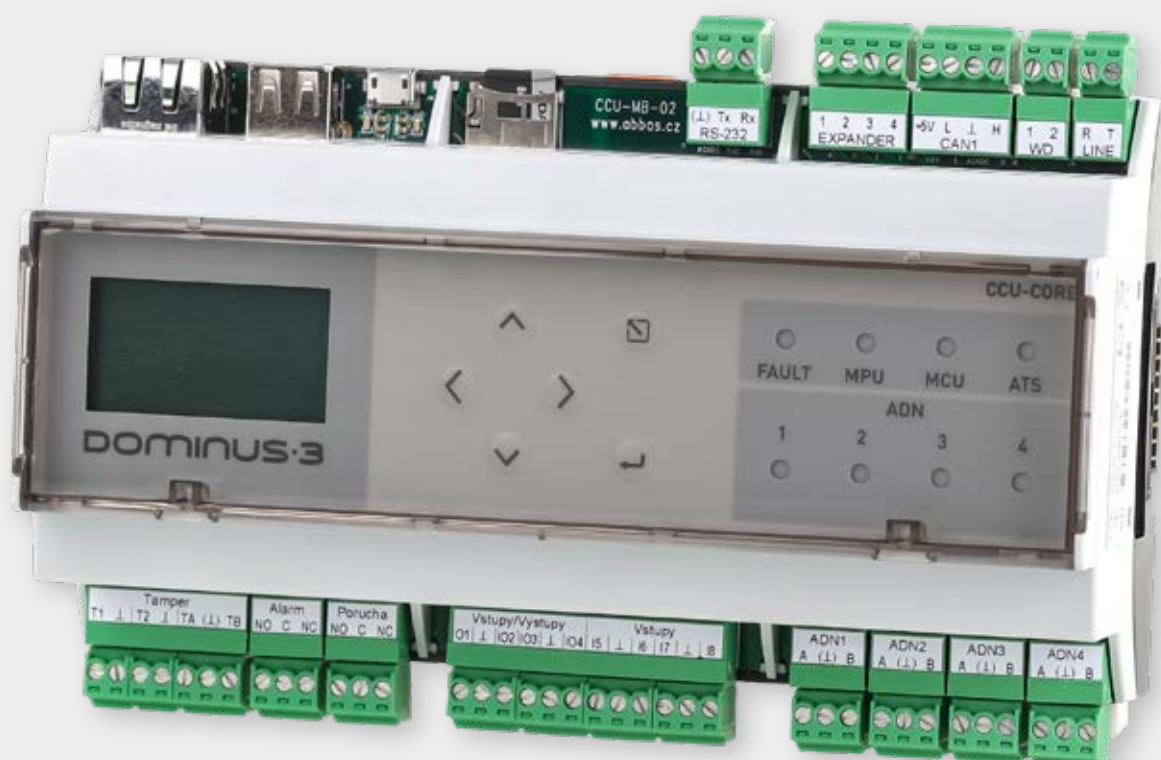
CCU-CORE

Control panel

Dominus3-L-01

0201700131
Control panel assembly CCU-CORE, CCU-PWR, box, supply

Dominus3-L-02

0201700132
Control panel assembly CCU-CORE, CCU-PWR, box, supply, overvoltage protection

PARAMETERS	CCU-CORE
Input voltage U-IN	10–28 V DC
Max. current	350 mA
Operating temperature	0 to +40 °C
Total number of inputs	12
Balanced for detectors	8
Tamper (safety contacts)	2+2
Total number of outputs	7
Relay	2
Output load	1 A / 30 V
Optical relay	1
Output load	0,2 A / 30 V
OC	4
Output load	0,1 A / 30 V
HW ID	YES
System PWR supply connection	YES

PARAMETERS	CCU-CORE
Number of ADN lines	4
Number of addresses per line	240
Graphical display	LCD, 128 × 64 px
USB HOST	1
SDHC memory card	8 GB
USB OTG (device)	1
Ethernet 10/100 Mbps	1
RS-232	1
CAN-BUS	1
Telephone data communicator	1
PCO transfer protocols (SIA)	YES
PCO transfer protocols (Contact-ID)	YES
Dimensions	110 × 162 × 61 mm
Assembly	DIN
Design	DIN H-BUS

✓ DIN rail with integrated H-BUS

Eliminates connection failures. Ease of connection without any additional cabling required helps to ensure clear arrangement of the individual components.

✓ 4× ADN bus

Each Dominus3 control panel is equipped with 4 integrated ADN system buses. This means that it can handle up to 960 modules. Should it not be enough, expansion modules can increase the number of buses to 12.

✓ Status visualisation

The control panel informs you about anything that is going on in the system. This is indicated on the integrated display and by the clearly arranged information LEDs.

✓ Multiport Ethernet

The RJ45 connector with Ethernet 10/100 Mbps interface serves as a multiport interface with protocols for remote control of the system and connection to integration extensions.

Control panel source

The module of the backed-up control panel source provides independently secured supply voltage for the H-BUS and other modules on the ADN bus. It is designed for installation onto a DIN rail with integrated H-BUS which supplies power to the control panel modules and provides their data link. The source is fitted with LED status indicators showing input and output voltage.

CCU-PWR

Control panel source

PARAMETERS	CCU-PWR
Input voltage U-IN	14–18 V DC
Max. current	5 A / 12 V
Operating temperature	0 to +40 °C
HW ID	YES
Battery charging current	0–2 A
Battery capacity setting	4–255 Ah
Battery disconnection during discharging	10,5 V
Imax H-BUS	1 A
H-BUS	YES
Dimensions	112 × 72 × 61 mm
Assembly	DIN
Design	DIN H-BUS

Line expansion module

With the expansion module, the system can be expanded with another 4 ADN buses. It is designed for installation onto a DIN rail with integrated H-BUS.

PARAMETERS	CCU-EXP, CCU-EXP2
Input voltage U-IN	10–28 V DC
Max. current	100 mA / 12 V
Operating temperature	0 to +40 °C
HW ID	YES
Number of ADN lines	4
Number of addresses per line	240
Dimensions	100 × 54 × 61 mm
Assembly	DIN
Design	DIN-HBUS

CCU-EXP

0201701110
Increases the number of ADN buses to 8

CCU-EXP2

0201701112
Increases the number of ADN buses to 12

13

Keypads

The keypad is intended for connection to the Dominus3 ADN line and is used for displaying the system status and for user control of the system. The keypad is equipped with a graphical OLED display, large-area touch capacitive sensor and smart RGBW LEDs.

KPD-ECO

0201704011 (black), 0201704012 (white)
Keypad without the possibility
to connect readers

KPD-WGD

0201704111 (black), 0201704112 (white)
Keypad with the possibility
to connect two Wiegand readers

KPD-HID

0201704211 (black), 0201704212 (white)
Keypad with an integrated multiplatform reader and a second Wiegand channel for the connection of a reader

PARAMETERS	KPD-ECO	KPD-WGD	KPD-HID
Input voltage U-IN	10–28 V DC	10–28 V DC	10–28 V DC
Max. current	125 mA / 12 V	125 mA / 12 V	175 mA / 12 V
Operating temperature	0 to +40 °C	0 to +40 °C	0 to +40 °C
HW ID	YES	YES	YES
Total number of inputs	4	4	4
Balanced inputs for detectors	4	4	4
Total number of outputs	–	4	4
Optical relay	–	2	2
Output load	–	1 A / 30 V	1 A / 30 V
OC	–	2	2
Output load	–	0,14 A / 30 V	0,14 A / 30 V
Integrated ACS reader	NO	NO	YES
Number of integrated HID readers	–	–	1
External ACS Wiegand reader	NO	YES	YES
Number of external ACS Wiegand readers	–	2	1
Supported formats	–	–	HID Prox, Indala Prox, EM4100, EM4102, EM4200, EM4305, EM4450, iCLASS, iCLASS SE/SR, iCLASS Seos, MIFARE Classic 1 K/4 K, MIFARE Plus, MIFARE DESFire EV1, ISO 14443 A
Graphical display	OLED, white, 128 × 64 px	OLED, white, 128 × 64 px	OLED, white, 128 × 64 px
Dimensions	119 × 179 × 34 mm	119 × 179 × 34 mm	119 × 179 × 34 mm
Assembly	3× ⌀ 4 mm	3× ⌀ 4 mm	3× ⌀ 4 mm
Design	BOX-Al	BOX-Al	BOX-Al

✓ Graphical display with touch control

Clearly displays statuses, events and history with the possibility of modifying the graphical icons. It allows arming and disarming as well as access control and visualisation.

✓ Coloured indicators (RGBW LED)

Provide you with information about anything clearly and quickly.
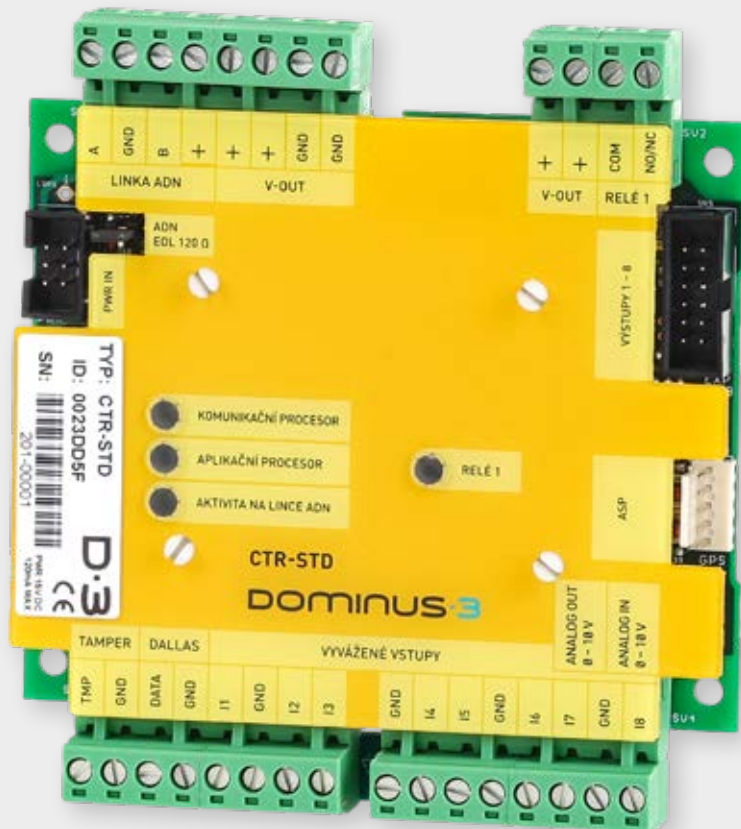
✓ Backlit keys

Together with the coloured indicators, they make it possible to transform the keypad into an information panel.

✓ Integrated multiplatform reader

An HID reader makes it possible to use a single device to read various types of cards. It can be adapted so as to meet any requirements.

The keypad comes in two colours: black and white.

Concentrator

The module is intended for the connection of the end elements of the I & HAS system to the ADN line. It comes equipped with inputs and outputs, data interfaces for other peripherals and an input for a tamper-proof mounting box.

CTR-STD

0201702010
Concentrator
without repeater

CTR-RPT

0201702020
Concentrator
with integrated repeater

The concentrator board is mounted into
- BOX-S (pg. 22),
- BOX-L (pg. 23)

or assemblies of boxes with power supply sources
- D3-BOX-L-PWR-05 (pg. 21),
- D3-BOX-L-PWR-10 (pg. 21).

PARAMETERS	CTR-STD	CTR-RPT	CTR-RE8
Input voltage U-IN	10–28 V DC	10–28 V DC	10–28 V DC
Max. current	50 mA / 12 V	50 mA / 12 V	85 mA / 12 V
HW ID	YES	YES	NO
Operating temperature	0 to +40 °C	0 to +40 °C	0 to +40 °C
Total number of inputs	9	9	–
Balanced inputs for detectors	8	8	–
Tamper (safety contacts)	1	1	–
Analogue inputs	1 (0–10 V)	1 (0–10 V)	–
Total number of outputs	1	1	8
Relay	1	1	8
Output load	1 A / 30 V	1 A / 30 V	2 A / 30 V
Analogue outputs	1 (0–10 V)	1 (0–10 V)	–
System PWR supply connection	YES	YES	NO
Repeater and insulator of the ADN bus	NO	YES	NO
Dimensions	112 × 104 × 18 mm	112 × 104 × 18 mm	86 × 53 × 18 mm
Assembly	4× ⌀ 4 mm	4× ⌀ 4 mm	4× ⌀ 4 mm
Design	PCB	PCB	PCB

✓ 8 balanced inputs

Up to 8 safety detectors can be connected to inputs which are able to recognise an alarm, tampering or failure. The connection flexibility is increased with the possibility of specifying various types of input balancing with the use of software.

✓ Analogue inputs and outputs

Inputs 7 and 8 can be programmed as an analogue input and output. This makes it possible to control a wide range of technologies supporting an analogue interface.

✓ One-wire interface

Makes it possible to connect BMS features, thus extending the module utilisation possibilities.
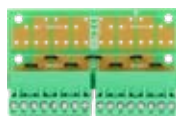
✓ Extension

With the output relay module (CTR-RE8), the concentrator can be extended with further outputs to control external devices.
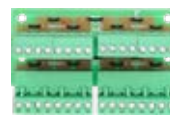

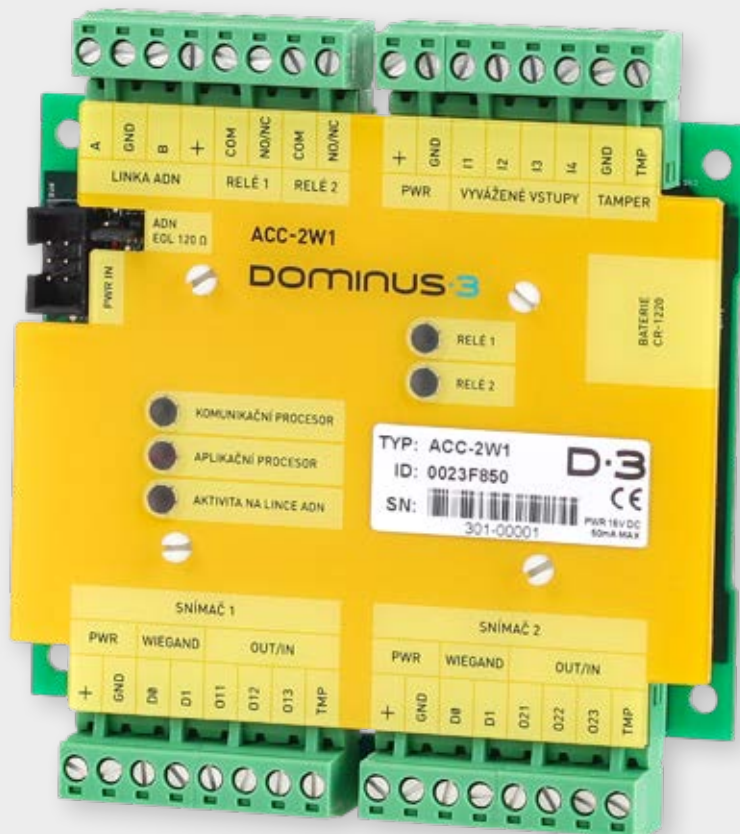**CTR-RE8**

0201702110
Expansion module
8 output relays 30 V / 2 A

UTB-16

0201708701
Terminal board
16 terminals

UTB-32

0201708702
Terminal board
32 terminals

Door module

The module is designed to control doors with the Dominus3 control panel. It is equipped with two Wiegand interface channels for the connection of readers and with two relay outputs for door or turnstile control.

The door module is equipped with an off-line memory for 50,000 cards.

ACC-2W1

0201703012
Door module

The door module board is mounted into
- BOX-S (pg. 22),
- BOX-L (pg. 23)

or assemblies of boxes with power supply sources
- D3-BOX-L-PWR-05 (pg. 21),
- D3-BOX-L-PWR-10 (pg. 21).

PARAMETERS — ACC-2W1

| PARAMETERS	ACC-2W1
Input voltage U-IN	10–28 V DC
Max. current	50 mA / 12 V
HW ID	YES
Operating temperature	0 to +40 °C
Total number of inputs	7
Balanced inputs for detectors	4
Tamper (safety contacts)	3
Total number of inputs	8
Relay	2
Output load	1 A / 30 V
OC	6
Output load	0,14 A / 30 V
External ACS Wiegand readers	YES
Number of external ACS Wiegand readers	2
System PWR supply connection	YES
Dimensions	112 × 104 × 18 mm
Assembly	4× ⌀ 4 mm
Design	PCB

✓ **Multi-purpose**

Thanks to the Wiegand interface, you can connect up to 2 card, chip or biometric identifier readers.

✓ **Bidirectional door control**

It makes it possible to control one door bidirectionally or two doors mono-directionally.
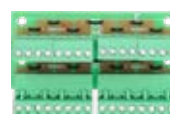
✓ **Bidirectional turnstile control**

With two output relays, turnstiles can be controlled bidirectionally.
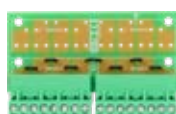
UTB-16

0201708701
Terminal board
16 terminals

UTB-32

0201708702
Terminal board
32 terminals

Power supply source

In large installations, power supply sources power bus modules and other related peripherals.

✓ Easy connection

The power supply sources are fitted with a special connector for connection to concentrators or door controllers. This eliminates possible connection failures and increases the system stability.

✓ Diagnostics

The LEDs indicate the power and charging status. The battery temperature sensor increases the safety of the entire system.

PARAMETERS	PWR-05	PWR-10
Input voltage U-IN	14–18 V DC	14–18 V DC
Max. current	5 000 mA / 12 V	10 000 mA / 12 V
Operating temperature	0 to +40 °C	0 to +40 °C
HW ID	YES	YES
Battery charging current	0–2 A	0–3 A
Battery capacity setting	4–255 Ah	4–255 Ah
Battery disconnection during discharging	10,5 V	10,5 V
PWR-OUT connector for the module	0,5 A	0,5 A
Independently secured output	2,5/3,5 A	6,5/8,5 A
Dimensions	112 × 104 × 30 mm	112 × 104 × 30 mm
Assembly	4× ø 4 mm	4× ø 4 mm
Design	PCB	PCB

PWR-05

Power supply source with total load 5 A

PWR-10

Power supply source with total load 10 A

Sets of power supply sources

PWR-05 set

0201708430
Power supply set
with total load 5 A

PWR-10 set

0201708431
Power supply set
with total load 10 A

PARAMETERS	Set with PWR-05	Set with PWR-10
Operating temperature	0 to +40 °C	0 to +40 °C
Input voltage	230 V / 50 Hz	230 V / 50 Hz
Output source	5 A / 12 V	10 A / 12 V
Maximum battery dimensions	125 × 165 × 175 mm (24 Ah)	125 × 165 × 175 mm (24 Ah)
Battery charging current	0–2 A	0–3 A
Dimensions	444 × 444 × 140 mm	444 × 444 × 140 mm

Mounting box S

Mounting box S is designed for the assembly of one I & HAS or ACS module and one CTR-RE8 expansion module. A cover with sideboards extending up to the wall is mounted to the bottom part of the box. The box houses a safety contact which is positioned in such a way so as to prevent unauthorised opening of the box or its removal from the wall.
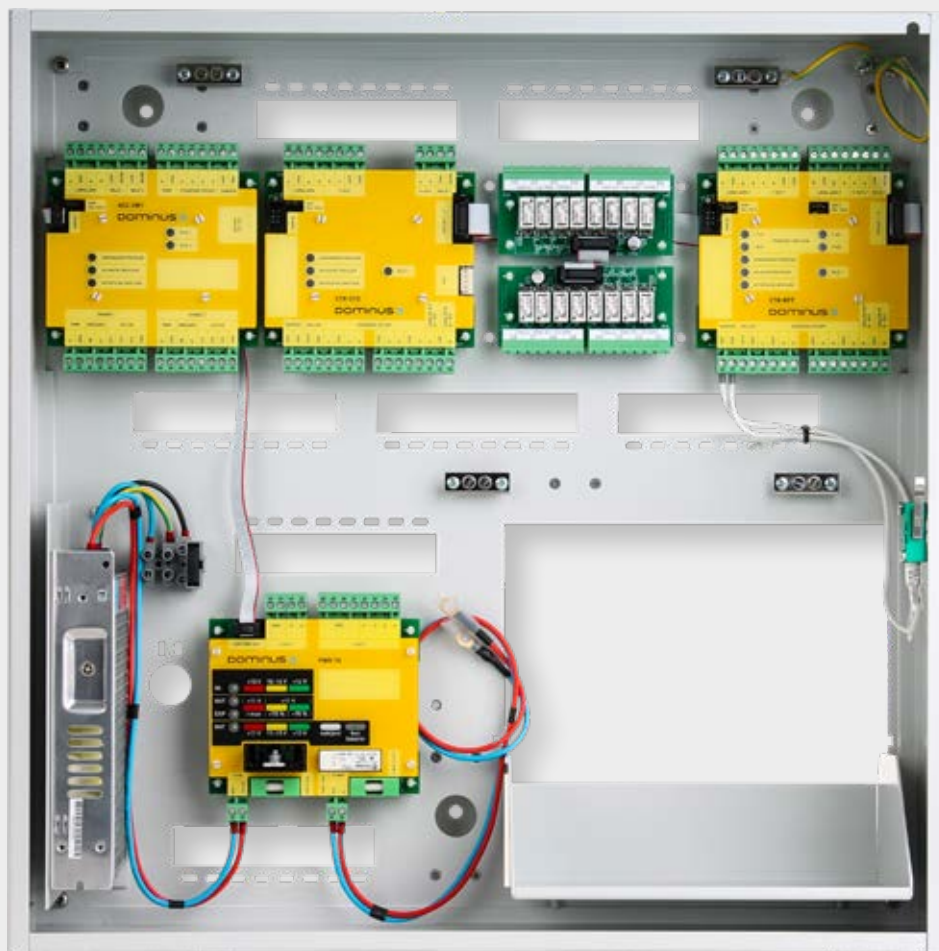
PARAMETERS	D3-BOX-S
Dimensions	220 × 220 × 50 mm
Assembly	3× ⌀ 4 mm
Mounting hole spacing	149 × 143 mm
Weight	500 g
Material	Al
Colour	grey

D3-BOX-S

0201708010
Mounting box S

Mounting box L

Mounting box L is designed for the assembly of the control panel and its back-up battery or for the assembly of up to 5 I & HAS + ACS modules. It is comprised of up to 4 parts and designed in such a way so as to make installation of the box, and of any necessary cabling both underneath the box and inside it, as easy as possible. It contains two safety contacts preventing unauthorised removal from the wall or removal of its cover.

PARAMETERS	D3-BOX-L
Dimensions	444 × 444 × 140 mm
Maximum battery dimensions	125 × 165 × 175 mm (24 Ah)
Assembly	3× ⌀ 6 mm
Mounting hole spacing	351 × 332 mm
Weight	3000 g
Material	Al
Colour	grey

D3-BOX-L

0201708410
Mounting box L

Configuration software

Any system settings can be adjusted in the SetDom3 software. The software serves as a tool for configuration, status monitoring and servicing of the system. The individual setting options are facilitated by the tree of devices and the tree of areas and templates for the individual software features. The software also manages the user database and history.

✓ Tree of devices

The SetDom3 module makes it possible to load the system topology by means of unique hardware identification numbers (HW-ID) which are assigned to all of the Dominus3 system modules. Based on the project documentation, it is possible to assign addresses to the individual modules and set their basic properties. End elements and their properties are defined at the inputs and outputs.

✓ Tree of areas

The tree of areas is used to create the building topology defined by the individual areas and subsystems at the required number of levels, e.g. building/floor/department. In the "system" section, the subsystems and areas are bound to the end elements and system modules using the "drag and drop" motion.

✓ Users

This section is used to create users and set their access rights and the level of authorisation to use the system features. Each user can have several identifiers.

✓ History

This module is used to view and receive the history of events in the Dominus3 system. The filters provide better arrangement of the display, and the customer may adjust them as required.

✓ Virtual keypad

This virtual keypad for a device with the Windows system provides remote control of the Dominus3 system.

SetDom3 CONFIG

0201709010
Configuration software license for Dominus3 control panels

SetDom3 CONFIG ADD

0201709012
Extension of SetDom3 CONFIG license for installation on another PC

SetDom3 ACCESS

0201709020
Configuration software license for the Dominus3 access system

Licenses

	LITE	STANDARD	PRO	Extension	Max. extent
Number of lines	4	4 to 12	4 to 12	additional HW	12
Modules per line	40 [1]	40 [1]	40 [1]	additional license	240
Zones (address inputs)	100	500	1 000	license 10, 50, 100	10,000
Doors	10	50	100	license 1, 5, 10	2,000
Subsystems	unlimited	unlimited	unlimited	–	unlimited
Users	100	500	1,000	license 100, 500, 1,000	50 000 [2]
Event memory	unlimited	unlimited	unlimited	–	unlimited

[1] The number of modules per line is limited by SW due to design optimisation and load distribution. If required, it can be unlocked with the license key.

[2] The number of users is given by the capacity of memory for the off-line mode. This can be increased if required.

Dominus3 license – LITE

0201709210
100 zones, 10 doors, 100 users

Dominus3 license – STANDARD

0201709310
500 zones, 50 doors, 500 users

Dominus3 license – PRO

0201709410
1,000 zones, 100 doors, 1,000 users

ZONE license

0201709505
extension 10 zones Dominus3

0201709510
extension 50 zones Dominus3

0201709515
extension 100 zones Dominus3

DOOR license

0201709530
extension 1× doors Dominus3

0201709535
extension 5× doors Dominus3

0201709540
extension 10× doors Dominus3

USER license

0201709550
extension 100 users Dominus3

0201709555
extension 500 users Dominus3

0201709560
extension 1,000 users Dominus3

License upgrade

0201709570
License upgrade from D3 LITE to STANDARD

0201709575
License upgrade from D3 STANDARD to PRO

FI-H SECURITY

FI-H series cables are all-copper shielded cables intended for low-current wiring. Typically, FI-H cables are used for the installation of end elements, such as PIR detectors or magnetic contacts.

Each cable is fitted with a rip cord for easy removal of the insulation, and the cable sheath is marked with length measurements so that the cable length can be read easily.
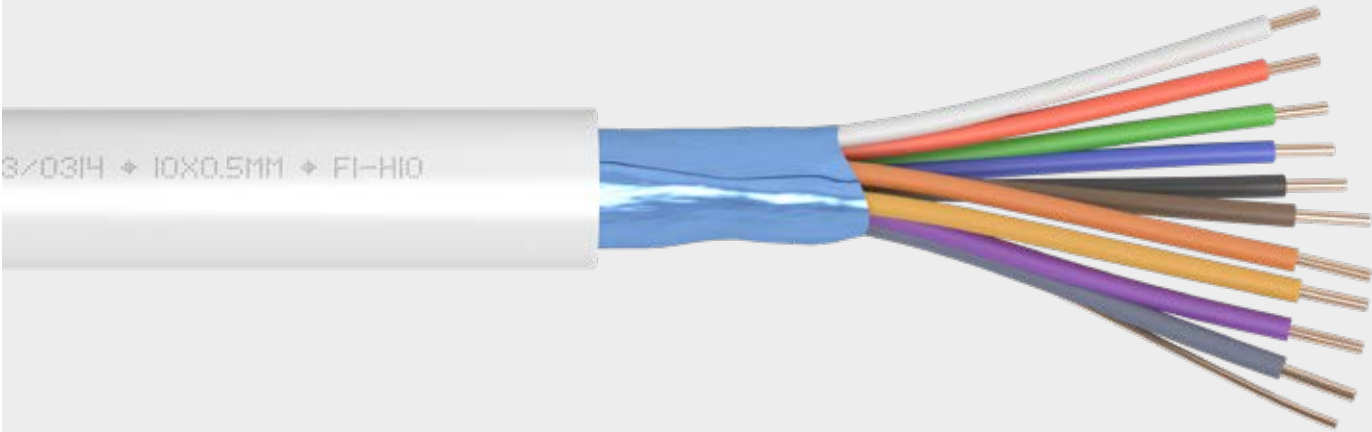
PARAMETERS

Core number and parameters	4× ⌀ 0,5 mm	6× ⌀ 0,5 mm
Cable diameter	3,7 mm ±3 %	4,3 mm ±3 %
Minimum bend radius	40 mm	45 mm
Weight	20,0 kg/km	28,0 kg/km
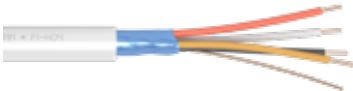
FI-H04

0601010011
Shielded low-current twisted-pair communication cable

FI-H06

0601010021
Shielded low-current twisted-pair communication cable

PARAMETERS

Core number	4 ~ 10
Standard length	200 m
Wire diameter	⌀ 0,5 mm
Maximum core resistance	97,8 Ω/km
Rated voltage	50 V
Test voltage	2 kV
Temperature range when laid	>5 °C
Operating temperature	-5 to +65 °C
Storage temperature	+5 to +25 °C
Sheath colour	white
Wire material	copper
Self-extinguishing according to	CSN EN 60332-1-2
Reaction to fire classification	CSN EN 50399-E
Certification	TP 03/0314
Wire/core insulation	PVC TI2
Shielding	AL/PET film + 2× Cu/Sn wire
Sheath	PVC TM2

PARAMETERS

Core number and parameters	8× ⌀ 0,5 mm	10× ⌀ 0,5 mm
Cable diameter	3,7 mm ±2 %	4,3 mm ±2 %
Minimum bend radius	50 mm	60 mm
Weight	33,0 kg/km	39,0 kg/km

FI-H08

0601010031
Shielded low-current twisted-pair
communication cable
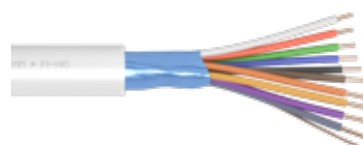
FI-H10

0601010041
Shielded low-current twisted-pair
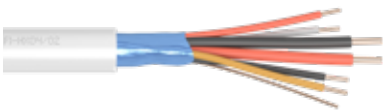communication cable

FI-HX POWER

FI-HX cables are all-copper shielded cables intended for low-current wiring where the use of reinforced supply cores is desirable due to a voltage drop in the wiring. The cable is designed for the connection of end elements with a higher current consumption demand, such as sirens or RFID readers.

Each cable features a reinforced pair of cores for power supply and a rip cord for easy removal of the insulation, and the cable sheath is marked with length measurements so that the cable length can be read easily.
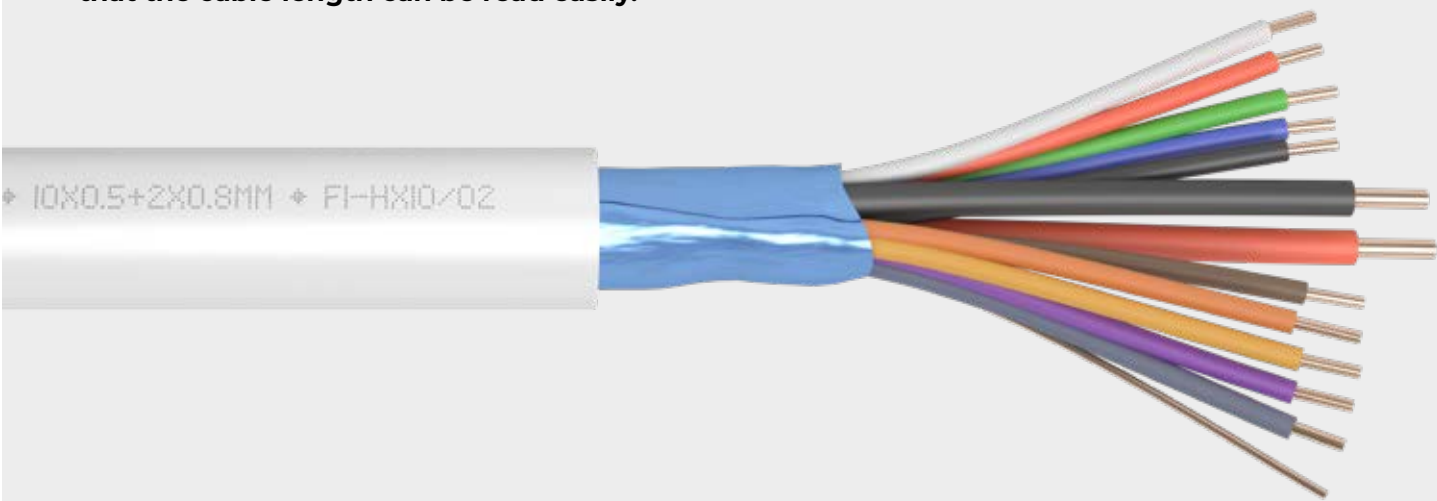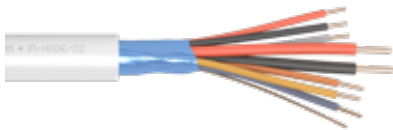

PARAMETERS

Core number and parameters	4× ⌀ 0,5 mm + 2× ⌀ 0,8 mm	6× ⌀ 0,5 mm + 2× ⌀ 0,8 mm
Cable diameter	4,5 mm ±2 %	5,0 mm ±2 %
Minimum bend radius	50 mm	55 mm
Weight	34,5 kg/km	42,0 kg/km

FI-HX04/02

0601030010
Shielded low-current communication cable with reinforced cores for power supply


FI-HX06/02

0601030020
Shielded low-current communication cable with reinforced cores for power supply

PARAMETERS

Core number	4 ~ 10 + 2 reinforced wires
Standard length	200 m
Wire diameter	⌀ 0,5 mm / ⌀ 0,8 mm
Maximum core resistance	97,8 Ω/km
Rated voltage	50 V
Test voltage	2 kV
Temperature range when laid	>5 °C
Operating temperature	-5 to +65 °C
Storage temperature	+5 to +25 °C
Sheath colour	white
Wire material	copper
Self-extinguishing according to	CSN EN 60332-1-2
Reaction to fire classification	CSN EN 50399-E
Certification	TP 03/0314
Wire/core insulation	PVC TI2
Shielding	AL/PET film + 2× Cu/Sn wire
Sheath	PVC TM2

PARAMETERS

Core number and parameters	8× ⌀ 0,5 mm + 2× ⌀ 0,8 mm	10× ⌀ 0,5 mm + 2× ⌀ 0,8 mm
Cable diameter	5,7 mm ±2 %	6,0 mm ±2 %
Minimum bend radius	60 mm	60 mm
Weight	46,0 kg/km	51,5 kg/km
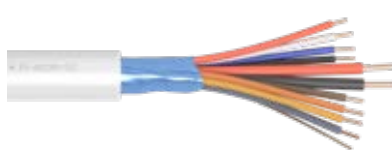
FI-HX08/02

0601030030
Shielded low-current communication cable
with reinforced cores for power supply

FI-HX10/02

0601030040
Shielded low-current communication cable
with reinforced cores for power supply

FI-HT TWISTED

FI-HT series cables are all-copper shielded twisted-pair cables. They are intended for low-current wiring of high-frequency data buses of security and access systems with separate power supply.

Each cable is fitted with a rip cord for easy removal of the insulation, and the cable sheath is marked with length measurements so that the cable length can be read easily.
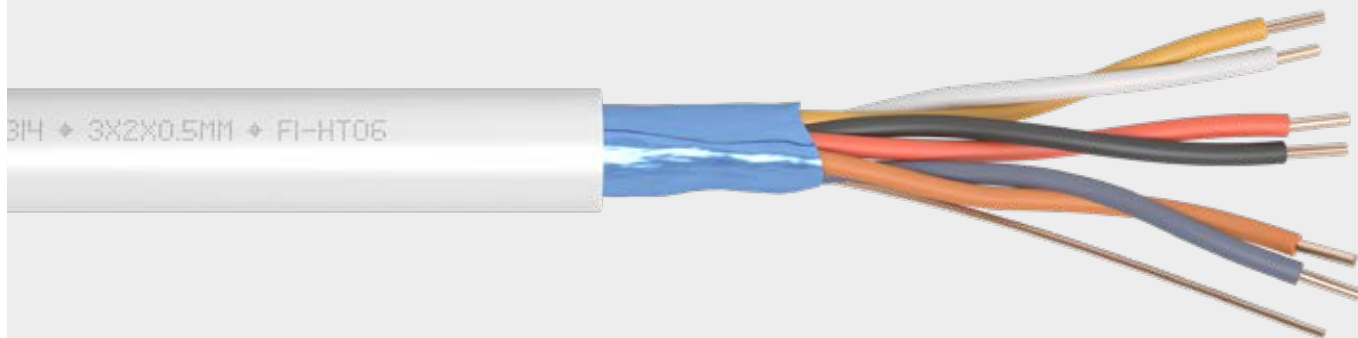
PARAMETERS

| Core number	2×2 / 3×2
Standard length	200 m
Wire diameter	⌀ 0,5 mm
Maximum core resistance	97,8 Ω/km
Rated voltage	50 V
Test voltage	2 kV
Temperature range when laid	>5 °C
Operating temperature	-5 to +65 °C
Storage temperature	+5 to +25 °C
Sheath colour	white
Wire material	copper
Self-extinguishing according to	CSN EN 60332-1-2
Reaction to fire classification	CSN EN 50399-E
Certification	TP 03/0314
Wire/core insulation	PVC TI2
Shielding	AL/PET film + 2× Cu/Sn wire
Sheath	PVC TM2

PARAMETERS

Core number and parameters	2×2 ⌀ 0,5 mm	3×2 ⌀ 0,5 mm
Cable diameter	4,1 mm ±3 %	5,2 mm ±3 %
Minimum bend radius	40 mm	50 mm
Weight	22,0 kg/km	31,5 kg/km
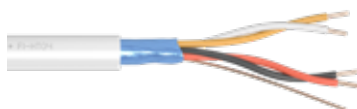
FI-HT04

0601020010
Shielded low-current twisted-pair
communication cable
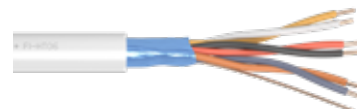
FI-HT06

0601020020
Shielded low-current twisted-pair
communication cable

SUPERBUS

Superbus cables are all-copper shielded twisted-pair cables intended for backbone wiring where it is desirable to use combinations of twisted pairs for bus wiring with reinforced cores for power supply.

Each cable is fitted with a rip cord for easy removal of the insulation, and the cable sheath is marked with length measurements so that the cable length can be read easily.
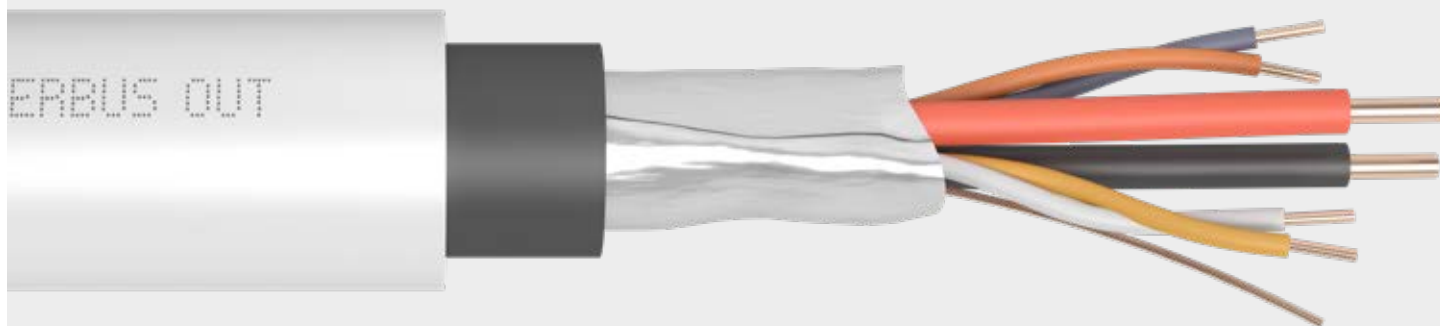
PARAMETERS

Core number	2×2 + 2 reinforced wires
Standard length	200 m
Wire diameter	⌀ 0,5 mm / ⌀ 1,0 mm
Maximum core resistance	97,8 Ω/km
Rated voltage	50 V
Test voltage	2 kV
Temperature range when laid	>5 °C
Operating temperature	-5 to +65 °C
Storage temperature	+5 to +25 °C
Sheath colour	purple / grey
Wire material	copper
Self-extinguishing according to	CSN EN 60332-1-2
Reaction to fire classification	CSN EN 50399-E
Certification	TP 03/0314
Wire/core insulation	PVC TI2
Shielding	AL/PET film + 2× Cu/Sn wire
Sheath	PVC TM2/PU

PARAMETERS

Core number and parameters	2×2 ⌀ 0,5 mm + 2× ⌀ 1,0 mm	2×2 ⌀ 0,5 mm + 2× ⌀ 1,0 mm
Cable diameter	7,4 mm ±2 %	9,9 mm ±2 %
Minimum bend radius	100 mm	200 mm
Weight	68,0 kg/km	117,0 kg/km

SUPERBUS AB01

0601030420
Shielded low-current twisted-pair
communication cable for backbone wiring

SUPERBUS OUT

0601030425
Shielded low-current twisted-pair
communication cable for backbone wiring

abbas

DOMINUS·3

BRNO

Edisonova 5
612 00 Brno
Czech Republic

tel.:   +420 541 240 956
fax: +420 541 240 955
tel.:   +420 602 777 999
email: brno@abbas.cz

PRAHA

Štěrboholská 1404/104
102 00 Praha 15 – Hostivař
Czech Republic

tel.:   +420 221 416 811
fax: +420 221 416 888
tel.:   +420 602 777 000
email: praha@abbas.cz

OSTRAVA

Slévárenská 16
709 00 Ostrava
Czech Republic

tel.:   +420 596 611 984
fax: +420 596 612 059
tel.:   +420 602 777 222
email: ostrava@abbas.cz

www.dominus.cz