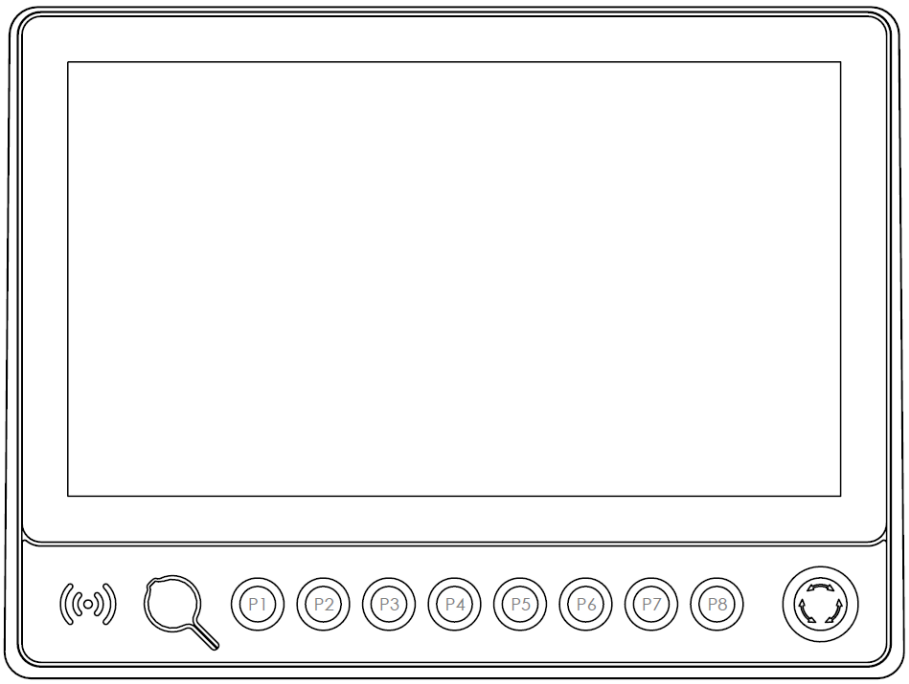
Product Series Industrial VESA Automation

Configuration



Components

We offer the following components for installation on the front of the unit. Pushbuttons, selector switch, key lock switch and emergency stop are purchased from the manufacturer Georg Schlegel GmbH & Co. KG.

Pushbuttons

Series	SHORTRON® base-plate mounting
Degree of protection	IP65
Travel	2.3 mm
Illumination	Yes, white LED
Labeling Option	Yes[1]
Front Bezel	Silver-Coloured
Operating Temperature	-25 °C ... 70 °C
Contact Elements	max. 2 x NC / 2 x NO / 1 x NC + 1 x NO
Nameplate	Transparent: Blue, Yellow, Green, Transparent, Red, White Non-transparent: Black

[1] Possible designation plates are provided by your contact person

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Configuration

Selector Switch

Series	SHORTRON® base-plate mounting
Degree of protection	IP65
Switching function	Latching / non latching
Illumination	Yes, white LED
Labeling Option	No
Front Bezel	Silver-Coloured
Operating temperature	-25 °C ... 70 °C
Contact Elements	max. 2 x NC / 2 x NO / 1 x NC + 1 x NO

Key Lock Switch

Series	SHORTRON® base-plate mounting
Degree of protection	IP65
Switchin function	Latching
Illumination	No
Labeling Option	No
Front Bezel	Silver-Coloured
Operating Temperature	-25 °C ... 70 °C
Contact Elements	max. 2 x NC / 2 x NO / 1 x NC + 1 x NO

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Configuration

Emergency Stop

Series	SHORTRON® base-plate mounting
Type	FRVKZ
Degree of protection	IP65
Travel	2.3 mm
Illumination	No
Labelling Option	No
Front Bezel	Yellow
Operating Temperature	-25°C ... 70°C
Contact Elements	2 x NC + 1 x NO
Switching Position Indicator	Yes
Release	Twist right or left
Anti-lock Collar	Yes

USB

Degree of protection	IP65
USB	USB 2.0
Illumination	No
Labelling Option	No
Front Bezel	Black
Operating Temperature	-25°C ... 80°C

Product Series Industrial VESA Automation

Configuration

RFID

Manufacturer	ELATEC GmbH
Type	TWN4 MULTITECH NANO M
Degree of protection	IP65
Frequencies	125 kHz / 13.56 MHz
Operating temperature	-25°C ... 80°C
Transponder	**125 KHz:** AWID, Cardax[1], CASI-RUSCO, Deister[1], EM4100, 4102, 4200[2], EM4050, 4150, 4450, 4550, EM4305[3], FDX-B[4], EM4105[4], UltraProx[4], HITAG 1[5], HITAG 2[5], HITAG S[5], ICT[6], IDTECK, Isonas, Keri, Miro, Nedap[1], PAC[6], Pyramid, Q5, T5557, T5567, T5577, TIRIS/HDX[4], TITAN (EM4050), UNIQUE, ZODIAC **13.56 MHz / ISO14443A:** LEGIC Advant[7], MIFARE Classic EV1[8], MIFARE Classic, MIFARE Mini, MIFARE DESFire EV1, MIFARE DESFire EV2[9], MIFARE DESFire Light[6], MIFARE Plus S, X, MIFARE Pro X[10], MIFARE Smart MX[10], MIFARE Ultralight, MIFARE Ultralight C, MIFARE Ultralight EV1[8], NTAG2xx, SLE44R35[10], SLE66Rxx (my-d move)[10], Topaz **13.56 MHz / ISO18092 ECMA-340:** NFC Forum Tag 1-5, NFC Peer-to-Peer, Sony FeliCa[11], NFC Active and passive communication mode **13.56 MHz / ISO14443B:** Calypso[10], Calypso Innovatron protocol[10], CEPAS[10], HID iCLASS[7], Moneo[10], Pico Pass[12], SRI4K, SRIX4K, SRI512, SRT512 **13.56 MHz / ISO15693:** EM4x33[10], EM4x35[10], HID iCLASS[7], HID iCLASS SE/SR[7], ICODE SLI, LEGIC Advant[7], M24LR16/64, MB89R118/119, SRF55Vxx (my-d vicinity)[10], Tag-it, PicoPass[12]

[1] hash value only

[2] only emulation of 4100, 4102

[3] from FW V4.05

[4] 134.2 kHz only

[5] without encryption

[6] on request

[7] UID only

[8] read/write enhanced security features on request

[9] EV2/EV3 supported as part of the EV1 downward compatibility

[10] read/write in direct chip command mode

[11] UID + read/write public area

[12] UID only, read/write on request

Product Series Industrial VESA Automation

Configuration

Manufacturer	ELATEC GmbH
Type	TWN4 MULTITECH NANO LEGIC 42 M
Degree of protection	IP65
Frequencies	125 kHz / 13.56 MHz
Operating temperature	-25°C ... 80°C
Transponder	**125 KHz:** AWID, Cardax[1], CASI-RUSCO, Deister[1], EM4100, EM4102, EM4200[2], EM4050, EM4150, EM4450, EM4550, EM4305, HITAG 1[3], HITAG 2[3], HITAG S[3], ICT[4], IDTECK, ISONAS, Keri, Miro, Nedap[1], Pyramid, Q5, T5557, T5567, T5577, TITAN (EM4050), UNIQUE, ZODIAC **13.56 MHz / ISO14443A:** LEGIC Advant, MIFARE Classic EV1[5], MIFARE Classic, MIFARE Mini, MIFARE DESFire EV1, MIFARE DESFire EV2[6], MIFARE DESFire EV3[6], MIFARE DESFire Light[4], MIFARE Plus S/X, MIFARE Smart MX[7], MIFARE Ultralight, MIFARE Ultralight C, MIFARE Ultralight EV1[5], NTAG2xx, SLE44R35[7], SLE66Rxx (my-d move)[7], HID iCLASS DESFire[8], HID iCLASS MIFARE Classic[8], HID iCLASS SEOS[8] **13.56 MHz / ISO18092 ECMA-340:** NFC Forum Tag 1-5[9], Sony FeliCa[10] **13.56 MHz / ISO14443B:** Calypso[7], CEPAS[7], HID iCLASS[8], Pico Pass[8] **13.56 MHz / ISO15693:** EM4x33[7], EM4x35[7], HID iCLASS[8], HID iCLASS SE/SR/Elite[8], ICODE SLI, LEGIC Advant, M24LR16/64, SRF55Vxx (my-d vicinity)[7], Tag-it, PicoPass[8] **LEGIC Prime:** LEGIC Prime

[1] hash value only

[2] only emulation of 4100, 4102

[3] without encryption

[4] on request

[5] read/write enhanced security features on request

[6] supported as part of the EV1 downward compatibility

[7] read/write in direct chip command mode

[8] UID only

[9] NFC Forum Tag 1 not supported

[10] UID + read/write public area

Product Series Industrial VESA Automation

Configuration

Configuration

Choose according to your individual requirements. Please talk to your personal contact about the positioning of your company logo.

	Type	Display	Number of buttons	Free positioning	RFID	Yes	Yes	Bus technology	
PC	O	⋮	⋮	⋮	⋮	⋮	⋮	⋮	
Monitor	O	⋮	⋮	⋮	⋮	⋮	⋮	⋮	
Distance Monitor[1]	O	⋮	⋮	⋮	⋮	⋮	⋮	⋮	
13.3"	---	O	4	⋮	⋮	⋮	⋮	⋮	
15.6"	---	O	6	⋮	⋮	⋮	⋮	⋮	
18.5"	---	O	8	⋮	⋮	⋮	⋮	⋮	
21.5"	---	O	8	⋮	⋮	⋮	⋮	⋮	
24.0"	---	O	8	⋮	⋮	⋮	⋮	⋮	
Logo[2]	---	---	---	☐	⋮	⋮	⋮	⋮	
NANO M	---	---	---	---	☐	⋮	⋮	⋮	
LEGIC 42 M	---	---	---	---	☐	⋮	⋮	⋮	
USB 2.0	---	---	---	---	---	☐	⋮	⋮	
Emergency Stop	---	---	---	---	---	---	☐	⋮	
Fieldbus	---	---	---	---	---	---	---	yes	no
Profinet®	---	---	---	---	---	---	---		
EtherCAT®	---	---	---	---	---	---	---		

Table 1: Preselection

[1] Not with 13.3"

[2] When selecting a logo, it should be sent as a DXF/vector file.

Product Series Industrial VESA Automation

Configuration

Components Options

Remember, not every option (P1 to P8) needs to be filled.

Not all key assignments are possible due to the selected screen diagonal, see Configuration.
All switching elements (SE) have a controllable LED as standard.

		Pushbutton[1]			Selector Switch [1]			Key Lock Switch[1]			Switching element covered[2]		
	No switching element	SE: 2 x NC[3]	SE: 2 x NO[3]	SE: 1 x NC + 1 x NO	SE: 2 x NC[3]	SE: 2 x NO[3]	SE: 1 x NC + 1 x NO	SE: 2 x NC[3]	SE: 2 x NO[3]	SE: 1 x NC + 1 x NO	SE: 2 x NC[3]	SE: 2 x NO[3]	SE: 1 x NC + 1 x NO
P1	o	o	o	o	o	o	o	o	o	o	o	o	o
P2	o	o	o	o	o	o	o	o	o	o	o	o	o
P3	o	o	o	o	o	o	o	o	o	o	o	o	o
P4	o	o	o	o	o	o	o	o	o	o	o	o	o
P5													
P6													
P7													
P8													

Table 2: Type of control element

Electrical Parameter

Note! The switching elements must be operated with 24 V ± 20 %.

	Contact 24 VDC + 20 %	Floating contact
Operating current P1 - P8	per contact 1 A maximum total current of the contacts used 2 A	per contact 1 A
Operating current Emergency Stop	---	per contact 0.5 A

[1] Please define in the corresponding table

[2] Equipping of a switching element is subsequently possible

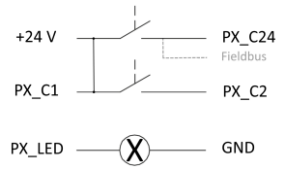
[3] If only one switching contact is used, the second one is also made available

Switching elements

One of the two switching contacts has 24 VDC as standard. (+24 V - internal supply via extension connector, PX_C24)

For the other switching contact, you can choose from three variants. The illustrations are only examples, the function shown applies to all switching elements.

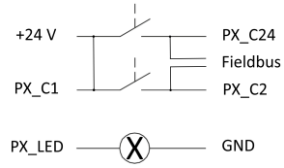
Variant 1: 24 VDC



PX_C1 is internally connected to 24 VDC from the extension connector.

Note: If a fieldbus module is installed, the following applies: PX_C24 is additionally connected to a digital input of the fieldbus module, PX_C2 not.

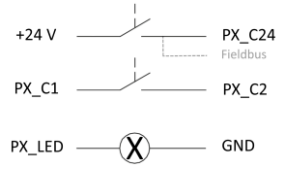
Variant 2: 24 VDC and fieldbus request



PX_C1 is internally connected to 24 VDC from the extension connector.

PX_C2 and PX_C24 are additionally connected to one digital input each of the fieldbus module.

Variant 3: floating



PX_C1 and PX_C2 are floating.

Note: If a fieldbus module is installed, the following applies: PX_C24 is additionally connected to a digital input of the fieldbus module, PX_C2 not.

In the following table, a selection must be made from the three variants.

	PX_C1: 24 VDC	PX_C1: 24 VDC and fieldbus request	PX_C1 and PX_C2: floating
P1			
P2			
P3			
P4			
P5			
P6			
P7			
P8			

Table 3: Options contact C1 and C2

Pushbutton

	Blue[1]	Yellow[1]	Green[1]	Transparent[1]	Red[1]	White[1] (Not recommended for labelling)	Black[2]	Labeling[3]	Rotation of the labeling[4]
P1									
P2									
P3									
P4									
P5									
P6									
P7									
P8									

Table 4: Pushbutton

[1] Transparent

[2] Non-transparent, lighting not visible

[3] Enter number if requested

[4] Orientation without rotation according to Schlegel's document desingation plates. Clockwise rotation

Product Series Industrial VESA Automation

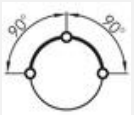
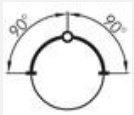
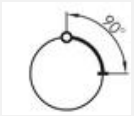
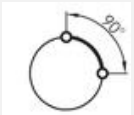
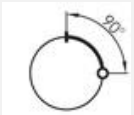
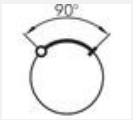
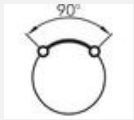
Configuration

Selector Switch

	Latching	Latching	Latching / Non Latching	Non Latching	Non Latching
	SWA	SWB	SWC	SSTA	SSTB
					
P1					
P2					
P3					
P4					
P5					
P6					
P7					
P8					

Table 5: Selector Switch

Key Lock Switch

	SSSA12	SSSA13	SSSA14	SSSA15	SSSA16	SSSA17	SSSA18
							
P1							
P2							
P3							
P4							
P5							
P6							
P7							
P8							

O = Key removal position

Table 6: Key Lock Switch

Product Series Industrial VESA Automation

Configuration

Confirmation

Please sign your decision and return the completed document to us.

Company:	Name:	Date:	Signature:

Disclaimer

Contact

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