

Commercial data

| Product code | 20800000 |
| :--- | :--- |
| Product description | Smartswitch 11-5092b[02]_5 Ventilation top |
| Packing unit | 1 |
| Weight | $0.121[\mathrm{~kg}]$ |
| Custom tariff number | 8537.10 .91 |
| Country of origin | NL. (Netherlands) |

Dimensions

| Width | $53.60[\mathrm{~mm}]$ |
| :--- | :--- |
| Height | $89.60[\mathrm{~mm}]$ |
| Depth | $81.00[\mathrm{~mm}]$ |

Standards and regulations

| EMC | Conformance with EMC directive 2014/30/EU |
| :--- | :--- |
| RoHS | Conformance with RoHS directive 2011/65/EU |
| WEEE | Conformance with WEEE directive 2002/96/EC |

Connection data, details

| + | DC24V[+] | Terminal power supply DC24V of Smartswitch, polartity [PLUS]. The free [PLUS] [ + ] terminal can be used to supply power to a conterminous Smartswitch. |
| :---: | :---: | :---: |
| + |  |  |
| - | DC24V [-] | Terminal power supply DC24V of Smartswitch, polarity [MN]. <br> The free [MN] [-] terminal can be used to supply power to a conterminous Smartswitch. |
| A | RS485 [A] | Terminal RS485 communication bus, signal line [A]. |
| A |  |  |
| B | RS485 [B] | Terminal RS485 communication bus, signal line [B]. |
| B |  |  |


| 01 | VCOM | Terminal P-contacts of relays. <br> Connect desired voltage type that has to be switched; $\mathrm{DC} 24 \mathrm{~V}[+]$, or AC24V $[\mathrm{P}]$. |
| :--- | :---: | :--- |
| 02 |  |  |
| 03 |  |  |
| 04 | VCOM | Terminal common for limit switches. |



| 11 | $\mathbb{N} \_$D1 | Digital input for dry contact [NC], that when opened will raise an alarm [PKZM] in the control. <br> An alarmis raised, the control stays active. <br> When not used intercoonnect [11] and and [15]. |
| :---: | :---: | :--- | :--- |
| 15 | GND |  |


|  | Project name: 20800000DSH010 044 Smartswitch 11-5092b[02]_5 Ventilation top | 208000000SSH010 044 Smartswitch 11-5092b[02]_5 Ventilation top |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Product code: | 20800000 |  |  |  |  |
|  |  |  | Initial date: | 01/01/2019 | Author: | MBL |
|  |  |  | Revision date: | 01/01/2019 | Page:1 | of 2 |

Ambient conditions

| Degree of protection | $\mid \mathbb{I P 2 0}$ |  |
| :--- | :--- | :--- |
| Ambient temperature (operation) | $-10 . . .50\left[{ }^{\circ} \mathrm{C}\right]$ | $14 . .122\left[{ }^{\circ} \mathrm{F}\right]$ |
| Ambient temperature (storage/transport) | $-20 . .50\left[{ }^{\circ} \mathrm{C}\right]$ | $-4 . .122\left[{ }^{\circ} \mathrm{F}\right]$ |
| Permissible humidity (operation) | $20 . .85[\%]$ |  |
| Permissible humidity (storage/transport) | $20 . . .85[\%]$ |  |

## Terminal data

| Conductor cross section solid min. | $0.2\left[\mathrm{~mm}^{2}\right]$ |
| :--- | :--- |
| Conductor cross section solid max. | $2.5\left[\mathrm{~mm}^{2}\right]$ |
| Conductor cross section flexible min. | $0.2\left[\mathrm{~mm}^{2}\right]$ |
| Conductor cross section flexible max. | $2.5\left[\mathrm{~mm}^{2}\right]$ |
| Conductor cross section AWG min. | 24 |
| Conductor cross section AWG max. | 14 |

General

| Mounting type | DIN rail mounting according to EN60715 |
| :--- | :--- |

Supply voltage

| Power supply | DC 24 V |
| :--- | :--- |
| Current consumption typically | $\leq 50[\mathrm{~mA}]$, at DC 24 V , at $25\left[{ }^{\circ} \mathrm{C}\right]$ |

## Data interface

| Interface 1 | RS485 |
| :--- | :--- |
| Connection method | Spring-cage connection |
| Transmission medium | 2-wire Twisted-Pair + signal ground |
| Transmission length | $500[\mathrm{~m}]$ |
| Transmission speed | $115.2[\mathrm{kBit} / \mathrm{s}]$ |

Relay output

| Number of outputs | 2 |
| :--- | :--- |
| Contact configuration | Normally open contact |
| Switching voltage max. | $24[\mathrm{~V}], \mathrm{AC} / \mathrm{DC}$ |
| Switching current max. | $1[\mathrm{~A}]$, bij $24[\mathrm{~V}], \mathrm{AC} / \mathrm{DC}$ |
| Service life electrical | $10^{\wedge} 5$ operations |

Notification

| Location | LED status | Status Smartswitch control |
| :---: | :---: | :---: |
| PCB [1] | Green continuously | Smartswitch connection with touchscreen controller is active. Smartswitch control is inactive. |
|  | Green blinking | Smartswitch connection with touchscreen controller is active. Smartswitch control is active. Smartswitch control alarm status is inactive. |
|  | Red continuously | Smartswitch connection with touchscreen controller is inactive. Smartswitch control is inactive. |
|  | Red blinking | Smartswitch connection with touchscreen controller is active. Smartswitch control is active. Smartswitch control alarm status is active. |


| Location | LED status | Status bus communication |
| :--- | :---: | :--- |
| PCB [2] | Green blinking | Smartswitch is receiving data over the bus $[\mathrm{Rx}]$. |
|  | Red blinking |  |


| Location | LED status | Status device control |
| :---: | :---: | :---: |
| Rotary switch [1] | Green continuously | The control [open] is currently active. The connected device is being opened. |
|  | Green blinking (5x) | The limit switch contact [open] is activated. The comected device has reached the end position of the [open] control. |
|  | Green blinking (persistant) | The emergency contact has been activated during the [open] control. The connected device has exceeded the limit switch contact [open] position, and is in the status malfunction. |
|  | Red continuously | The control [close] is currently active. The connected device is being closed. |
|  | Red blinking (5x) | The linit switch contact [closed] is activated. The connected device has reached the end position of the [close] control. |
|  | Red blinking (persistant) | The emergency contact has been activated during the [close] control. The connected device has exceeded the limit switch contact [closed] position, and is in the status malfunction. |

Schematic



