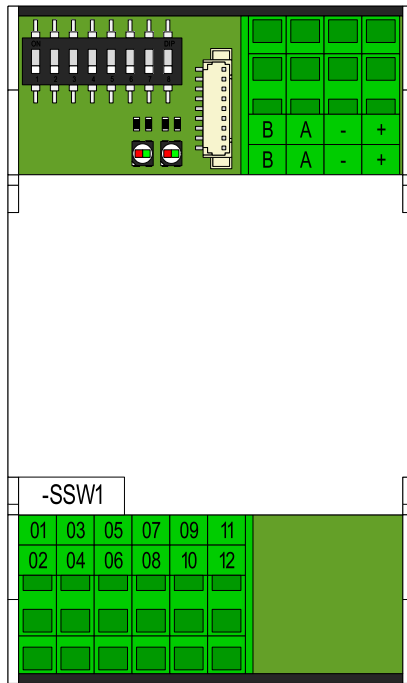


Image



Smartswitch  
28-5103b[00]\_0  
20800410

Connection data

+	DC24V [+]	Power supply DC24V [+]
+	DC24V [+]	Power supply DC24V [+]
-	DC24V [-]	Power supply DC24V [-]
-	DC24V [-]	Power supply DC24V [-]
A	RS485 [A]	Communication bus RS485 [A]
A	RS485 [A]	Communication bus RS485 [A]
B	RS485 [B]	Communication bus RS485 [B]
B	RS485 [B]	Communication bus RS485 [B]

01	NA	Not available
02	NA	Not available
03	NA	Not available
04	NA	Not available
05	NA	Not available
06	I_RS485 [A]	RS485 [A] [isolated]
07	NA	Not available
08	I_RS485 [B]	RS485 [B] [isolated]
09	REL_NO	Alarm relay [NO]
10	I_RS485[G]	RS485 signaal ground [isolated]
11	REL_NC	Alarm relay [NC]
12	REL_CO	Alarm relay [Common]

Commercial data

Product code	20800410
Product description	Smartswitch 28-5103b[00]_0 Alarm + MOD-bus ballast
Packing unit	1
Weight	0.095 [kg]
Custom tariff number	8537.10.91
Country of origin	NL (Netherlands)

Dimensions

Width	53.60 [mm]
Height	89.60 [mm]
Depth	81.00 [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, polarity [PLUS]. The free [PLUS] [+] terminal can be used to supply power to a continuous Smartswitch.
+		
-	DC24V [-]	Terminal power supply DC24V of Smartswitch, polarity [MIN]. The free [MIN] [-] terminal can be used to supply power to a continuous Smartswitch.
-		
A	RS485 [A]	Terminal RS485 communication bus, signal line [A].
A		
B	RS485 [B]	Terminal RS485 communication bus, signal line [B].
B		

09	REL_NO	Relay contact [dry change-over contact], for reporting an alarm situation to the outside world.
11	REL_NC	
12	REL_CO	



Project name:	20800410DSH010 044 Smartswitch 28-5103b[00]_0 Alarm + MOD-bus ballast		
Product code:	20800410		
		Initial date:	01/01/2019
		Revision date:	01/01/2019
		Author:	MBL
		Page:	1 of 2

### Ambient conditions

Degree of protection	IP20	
Ambient temperature (operation)	-10...50 [°C]	14...122 [°F]
Ambient temperature (storage/transport)	-20...50 [°C]	-4...122 [°F]
Permissible humidity (operation)	20...85 [%]	
Permissible humidity (storage/transport)	20...85 [%]	

### Terminal data

Conductor cross section solid min.	0.2 [mm²]
Conductor cross section solid max.	2.5 [mm²]
Conductor cross section flexible min.	0.2 [mm²]
Conductor cross section flexible max.	2.5 [mm²]
Conductor cross section AWG min.	24
Conductor cross section AWG max.	14

### General

Mounting type	DIN rail mounting according to EN 60715
---------------	---

### Supply voltage

Power supply	DC24V
Current consumption typically	≤ 100 [mA], at DC24V, at 25 [°C]

### Data interface

Interface 1	RS485
Connection method	Spring-cage connection
Transmission medium	2-wire Twisted-Pair + signal ground
Transmission length	500 [m]
Transmission speed	115.2 [kBit/s]

Interface 2	RS485 (isolated)
Aansluitmethode	Spring-cage connection
Overdrachtsmedium	2-wire Twisted-Pair + signal ground
Overdrachtslengte	500 [m]
Overdrachtssnelheid	9600 [Bit/s]

### Relay output

Number of outputs	1
Contact configuration	Change-over contact
Switching voltage max.	24 [V], AC/DC
Switching current max.	1[A], bij 24 [V], AC/DC
Service life electrical	10 <sup>5</sup> 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.

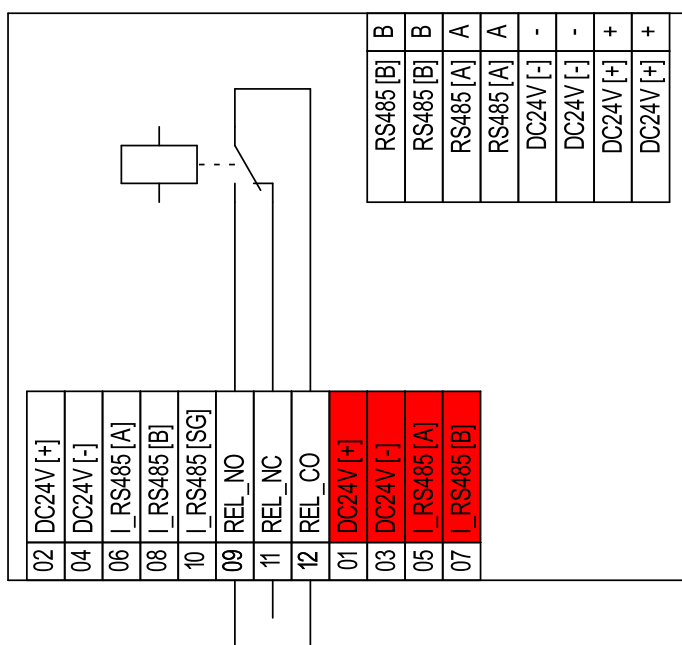
Location	LED status	Status bus communication
PCB [2]	Green blinking	Smartswitch is receiving data over the bus [Rx].
	Red blinking	Smartswitch is transmitting data over the bus [Tx].

### Ballast

Product code	93513800	
Product omschrijving	Voorschakelapparaat PUV650	
[06] - I_RS485 [A]	[4]	Blue
[08] - I_RS485 [B]	[5]	Blue/white
[10] - I_RS485 [G]	[8]	Brown

### Schematic

-SSW2  
Smartswitch  
28-5103b[00]\_0  
20800410



Project name:	20800410DSH010 044 Smartswitch 28-5103b[00]_0 Alarm + MOD-bus ballast		
Product code:	20800410		
		Initial date:	01/01/2019
		Author:	MBL
		Revision date:	01/01/2019
		Page:	2 of 2