

+	DC24V [+]	Power supply DC24V [+]
+	DC24V [+]	Power supply DC24V [+]
-	DC24V [-]	Power supply DC24V [-]
-	DC24V [-]	Power supply DC24V [-]
А	RS485 [A]	Communication bus RS485 [A]
А	RS485 [A]	Communication bus RS485 [A]
В	RS485 [B]	Communication bus RS485 [B]
В	RS485 [B]	Communication bus RS485 [B]
01	VCOM	Common relay outputs
02	VCOM	Common relay outputs
03	OUT_ON	Output relay 1 [contactor device on]
04	OUT_OP	Output relay 2 [contactor device open]
05	NA	Not available
06	OUT_CL	Output relay 3 [contactor device close]
07	NA	Not available
08	NA	Not available
09	NA	Not available
10	NA	Not available
11	NA	Not available
12	NA	Not available
13	NA	Not available
14	NA	Not available
15	NA	Not available
16	NA	Not available
17	NA	Not available
18	R_B1	Input temperature B1 [high]
19	NA	Not available
20	R_A1	Input temperature A1 [low]
21	NA	Not available
22	EC_A1	Input EC A1
23	NA	Not available
24	EC_B1	Input EC B1

+ +	DC24V [+]	Terminal power supply DC24V of Smartswitch, polarti The free [PLUS] [+] terminal can be used to supply po
-	DC24V [-]	Terminal power supply DC24V of Smartswitch, polarit The free [MIN] [-] terminal can be used to supply powe
A A	RS485 [A]	Terminal RS485 communication bus, signal line [A].
B B	RS485 [B]	Terminal RS485 communication bus, signal line [B].
01		
01	VCOM	Terminal P-contacts of relays. Connect desired voltage type that has to be switched;
03	OUT_ON	Relay contact for switching the power stage of a supp The relay contact switches what is provided on the ter
04	OUT_OP	Relay contact for switching the power stage [OPEN] of The relay contact switches what is provided on the ter Opening the supply three-way valve has to result in a
06	OUT_CL	Relay contact for switching the power stage [CLOSE] The relay contact switches what is provided on the te Closing the supply three-way valve has to result in a I
18	R_B1	Analog input for the signal of the temperature sensor
20	R_A1	
22	EC_A1	Analog input for the signal of the conduction element
24	EC_B1	Analog input for the signal of the conduction element

DC24V of Smartswitch, polartity [PLUS].	EC sensor
minal can be used to supply power to a conterminous Smartswitch.	Product code
DC24V of Smartswitch, polarity [MIN].	Product description
nal can be used to supply power to a conterminous Smartswitch.	Colepotent

Product code	21250255
Product description	EC-Sensor 4K7 NTC FertiMix Go!
Cel constant	1,0 [cm ⁻¹]
Temperature element	NTC3k

elays. type that has to be switched; DC24V [+], or AC24V [P].

ing the power stage of a supply shutter. nes what is provided on the terminal(s) [VCOM].

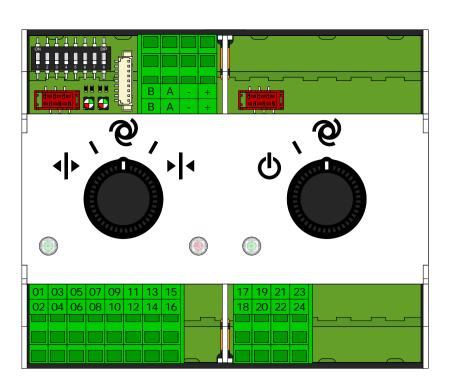
ning the power stage [OPEN] of a supply three-way valve. hes what is provided on the terminal(s) [VCOM]. ee-way valve has to result in a higher supply EC value.

ning the power stage [CLOSE] of a supply three-way valve. hes what is provided on the terminal(s) [VCOM]. e-way valve has to result in a lower supply EC value.

al of the temperature sensor of the supply EC sensor.

al of the conduction element of the supply EC sensor.





Location	LED status	Status Smartswitch control		
	Green continuously	Smartswitch connection with touchscreen controller is active. Smartswitch control is inactive.		
PCB [1]	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		
	Green blinking	Smartswitch is receiving data over the bus [Rx].		
PCB [2]	Red blinking	Smartswitch transmits data over the bus [Tx].		
Location	LED status	Status device control		
Rotary switch [1]	Green continuously	The control [open] is currently active. The connected device is being openend.		
Rotary switch [1]	Red continuously	The control [close] is currently active. The connected device is being closed.		
Rotary switch [2] Green continuously The control [on] is currently active. The connected device is switched on.				

ROJECT NAME:				STATUS: PUBLISHED	
lortiMaX Go	Зо				
UBJECT:			AUTHOR:	AUTHORISED:	
ATASHEET			MBL	AKO	
ROJECT NUMBER:	SCALE:	UNIT:	INITIAL DATE:	REVISION DATE:	
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70050	DRA	010	044	1 OF 2	
ILE NAME:	DRA	010	044	1 UF 2	

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Commercial data			
Product code	20801520		
Product description	SSW EC pre-blend [1xOC + 1xOO]		
Packing unit	1		
Weight	207,12 [g]		
Custom tariff number	8537.10.91		
Country of origin	NL (Netherlands)		
Dimensions			
Width	107,6 [mm]		
Height	89,6 [mm]		
Depth	81,0 [mm]		
Ambient conditions			
Degree of protection	IP20		
Ambient temperature (operation)	-10 50 [°C]	14 [°F] 122 [°F]	
Ambient temperature (storage/transport)	-20 50 [°C]	-4 [°F] 122 [°F]	
Permissible humidity (operation)	20 85 [%]		
Permissible humidity (storage/transport)	20 85 [%]		
Conoral]		
General Mounting type	DIN rail mounting according	ng to EN 60715	
Mounting type	DIN rail mounting according		
Power supply			
Supply voltage	DC24V		
Current consumption max.	≤ 50 [mA], bij DC24V, bij 25 [°C]		
Serial interface			
Interface 1	RS485		
Connection method	Spring-cage connection		
Transmission medium	2-wire Twisted-Pair + sign	nal ground	
Transmission length	500 [m]		
Transmission speed	115,2 [kBit/s]		
	1		
EC input			
Number of inputs	1		
Measuring range	0,0 10,0 [mS]		
Relay output			
Number of outputs	3		
Contact configuration	Normally open contact		
Switching voltage max.	24 [V], AC/DC		
Switching current max.	1 [A], at 24 [V], AC/DC		
Mechanical service life	50×10^6 operations		
Connection data			
Conductor cross section solid min.	0,2 [mm²]		
Conductor cross section solid max.	2,5 [mm ²]		
Conductor cross section flexible min.	0,2 [mm ²]		
Conductor cross section flexible max. 2,5 [mm²]			
Conductor cross section AWG min. 24			
Conductor cross section AWG max.	14		
Standards and regulations			
Electromagnetic compatibility	Conformance with EMC D	Directive 2014/30/EU	

			Revisions				
Document	Date	Author Action Re			Revision	Revision	
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70050DRA001 044	01/01/2017	Blokland, M.A.A.	Initial	Initial version.	Initial version.		
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growing solutions		FILE NAME:					



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