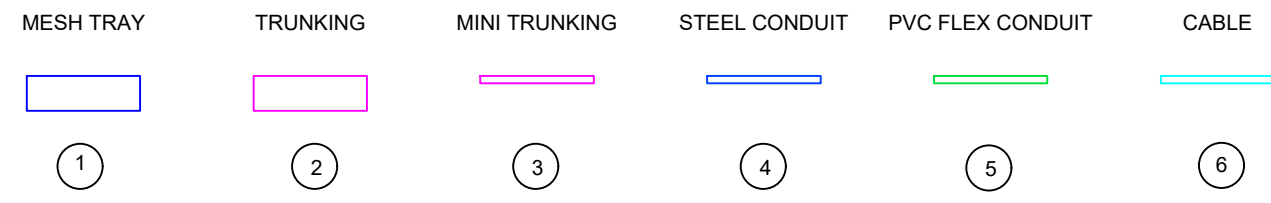



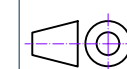
- A1 MAIN SWITCHBOARD  
B1 SUB BOARD FOR MOTOR CONTROL  
C1 BLINDS (UP/DOWN) LED INDICATIONS
- H1 LIGHT 1  
H2 LIGHT 2  
H3 LIGHT 3  
H4 LIGHT 4  
H5 LIGHT 5  
H6 LED LIGHT 6  
H7 LED LIGHT 7
- S1 2-WAY OR CROSSOVER SWITCH  
S2 2-WAY OR CROSSOVER SWITCH  
S3 2-WAY OR CROSSOVER SWITCH  
S4 KNX SWITCH  
S5 SWITCH VIA BINARY INPUT 3  
S6 SWITCH VIA BINARY INPUT 4  
S7 JALOUSIE SWITCH VIA BINARY INPUT 1 AND 2  
S8 KNX MOTION DETECTOR
- P1 SOCKET OUTLET 1  
P2 SOCKET OUTLET 2  
P3 SOCKET OUTLET 3  
P4 SOCKET OUTLET 4  
P5 SOCKET OUTLET 5  
P6 SOCKET OUTLET 6 (WITH USB)
- PS POWER SUPPLY INLET
- M1 MOTOR 1
- CABLE SIZES:  
PS-A1 2,5 mm2  
A1-B1 2,5 mm2  
SOCKET OUTLETS 2,5 mm2  
MOTOR 1,5 mm2  
BLINDS 1,5 mm2  
LIGHTING CIRCUITS 1,5 mm2  
CONTROL CIRCUITS 0,75 mm2 (IN BOARDS)
- COLOUR CODES:  
L1 BROWN  
L2 BLACK  
L3 GREY  
N BLUE  
PE GREEN/YELLOW  
0V BLUE/WHITE  
+24V VIOLET  
KNX- BLACK  
KNX+ RED





Competition 2022  
Special Edition

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Competition Special Edition 2022  
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Skill: 18 ELECTRICAL INSTALLATIONS			
Design by: CE/SCM			
Last Update: 21.11.2022	Scale: 1:20	Paper: A3	Page: 1 of 3
Drawing Number: WSC2022SE_TP18_actual_en			Rev:
Description: Installation layout			Projection: 

A1

C1

S4

S7

## CHANNEL ALLOCATION

## MULTIFUNCTION ACTUATOR:

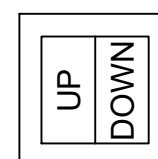
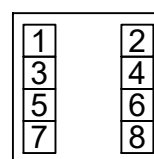
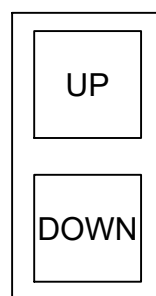
1	BLINDS UP
2	P3
3	H6
4	P2
5	BLINDS DOWN
6	P1
7	H7
8	P4

## DIMMING ACTUATOR:

1	H2
2	H4
3	H3
4	H1

## SCENARIOS

1	P1, P2, P3 and P4 ON SHUTTER UP
2	P1 and P3 ON, P2 and P4 OFF, H1, H2 and H3 50% SHUTTER DOWN
3	P2 and P4 ON, P1 and P3 OFF, H1 and H3 OFF H2 100%



C1	UP	Indicate shutter going UP Travel time 8 seconds
	DOWN	Indicate shutter going DOWN Travel time 8 seconds

S4	1	H4: ON / Dim UP
	2	H4: OFF / Dim DOWN
	3	H6: ON/OFF
	4	H7: OFF
	5	Scenario 1
	6	Scenario 2
	7	Scenario 3
	8	ALL: OFF

S7	UP	Shutter UP/STOP
	DOWN	Shutter DOWN/STOP

S1-S3	Change	H5: Switch
-------	--------	------------

S5	UP	S8 BLOCK and H7 OFF
	DOWN	S8 UNBLOCK

S6	UP	H7 ON CONSTANTLY
	DOWN	H7 Released for control

S8	MOTION	H7 ON
	NO MOTION	H7 OFF

S8 ON DURATION: 8 SECONDS

POWER

KNX

POWER

KNX/NETWORK

POWER

TERMINALS

C32A 3-Pole as Main Switch

One RCBO protects Control circuits

One RCBO protects Blinds

One RCCB protect all Socket Outlets and B1  
C16A 3-pole protect B1  
C10A 1-pole protect P1 and P2 separately  
C6A 1-pole protect P3 and P4 together  
B6A 1-pole protect P5 and P6 together

One RCCB protect all Lighting circuits  
C6A 1-pole protect H1, H2 and H3  
C6A 1-pole protect H4 and H5  
C6A 1-pole protect H6 and H7

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Skill:	18 ELECTRICAL INSTALLATIONS			
Design by:	CE/SCM			
Last Update:	21.11.2022	Scale:	1:5	Paper: A3
				Page: 2 of 3
Drawing Number:	WSC2022_TP18_MODULE1_EN			Rev:
Description:	CENTER WALL BOARD DETAILS AND INSTRUCTIONS			Projection:

B1

B1

H21 H11 H22

S11

S31 S21 S32

H51 H52

S51

H53 H54

SLOTTED TRUNKING

F101 QF1 QFAUX K1 K11 K12

SLOTTED TRUNKING

F201 POWER LOGO! DM8 SWITCH NETWORK

SLOTTED TRUNKING

TERMINALS

S11 Emergency Stop pushbutton, Controls Safety contactor  
S21 Stop pushbutton, Stop motor if running in any direction  
S31 Motor Forward as long as pressed and 5 seconds after release  
S32 Motor Backward as long as pressed and 5 seconds after release  
H11 Fault indication  
H21 Forward indication  
H22 Backward indication

S51 Sequence control for H1, H2 and H3  
H51 Indication of power to P1  
H52 Indication of power to P2  
H53 Indication of power to H6 (Flashing 1 HZ)  
H54 Indication of power to H7 (Flashing 1 HZ)

H11 Overload tripped: Flashing 1 HZ  
Emergency stop activated: Flashing 2 HZ  
Both faults: Constantly ON

S51 (short press) Immediately: Turn H1, H2 and H3 OFF  
Then  
After 2 seconds: H1=30%  
After another 4 seconds: H2=60%  
After another 2 seconds: H3=90%

F101  
QF1  
K1

C10A Main Switch  
Motor overload protection  
Safety contactor  
(isolate power to K11 and  
K12 and deactivate control  
circuit)

K11  
K12  
F201  
POWER  
LOGO!  
DM8  
SWITCH  
NETWORK

Forward contactor  
Backward contactor  
B6A for Control circuit  
Logo Power Supply  
Logo Controller  
Expansion module  
Network Switch  
Network outlet

LOGO! INPUT ALLOCATION

I1	S11
I2	
I3	
I4	S32
I5	
I6	S21
I7	S31
I8	
I9	
I10	
I11	S51
I12	

INPUTS WITHOUT ALLOCATION  
ARE FREE TO USE IN ANY WAY



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Skill: 18 ELECTRICAL INSTALLATIONS				
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Drawing Number: WSC2022_TP18_MODULE1_EN				Rev:
Description: LEFT HAND WALL DETAILS AND INSTRUCTIONS				Projection: 