

Issue 2004-06-18



Abbreviated SSP-numbering system AUMA SEMIPACT types SEM

Only for internal use

EWB-29 SHORT GB-01

Issue 1 dated 2003-05-27				
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In general:

Deviations to the regulations in EWH-01:

- This document is not released by AL-QW
- In case of revisions single pages can be exchanged
- The table of correction in comparison to the last issue gets to appendix 1 to the revision of this procedure
- All pages of this procedure are informal with the 'auma' logo
- The procedure is copied according to the distributor
- The document is not signed by SCK, SCM and WOF

SSP-Numbering system SEM 01.1 and SEM 02.1 SEMEx(C) 01.1 and SEMEx 02.1	
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Notes:

1. The wiring diagrams SSP and the ordering codes are valid for the version AUMA SEMIPACT

Types:

- SEM 01.1 and SEM 02.1 (AUMA SEMIPACT)
- SEM Ex (C) 01.1 and SEM Ex 02.1 (AUMA SEMIPACT Ex)
- SEM FM 01.1 and SEM FM 02.1 (AUMA SEMIPACT FM)

This numbering system is valid from January 1994 onwards. It is applicable for all wiring diagrams AUMA SEMIPACT which have to be issued. Wiring diagrams for AUMA SEMIPACT issued till December 1993 remain valid.

= Wiring diagram number				Explanations
1. Digit: Housing				
	Housing	Wall Bracket XM connection	XA connection	
1	Water tight	-	Plug / Socket	
3	Ex	-	Plug / Socket	
5	Water tight	Plug / Socket	Plug / Socket	
6	Water tight	Plug / Socket and Terminals	Terminals	
8	Water tight	Plug / Socket and Terminals	Plug / Socket	
9	Factory Mutual	-	Plug / Socket	
D	ExIIC	Plug / Socket, Wire Bung and Terminals	Terminals	
E	ExIIC	-	Terminals	

= Wiring diagram number		Explanations
2. Digit: Customer connections		
1	Plug / socket without torque switch bypass	
3	Terminals without torque switch bypass	
9	Special	
A	Plug / socket with by-pass of torque switches, both directions	
2	Integral Circuit Breaker, plug / socket with by-pass of torque switches, both directions	
7	Integral Disconnect Switch, plug / socket with by-pass of torque switches, both directions	

= Wiring diagram number		Explanations
	3. Digit: Type of motor	
1	3-phase AC motors	
3	Single phase motors type SK	SG.1 actuator
Z	Single phase motors type CSIR 230V (Leeson)	Integral capacitors
8	Single-phase motors type PSC (ME and Leeson)	Integral capacitors
9	Single-phase motors type CSIR 115V (Leeson)	Integral capacitors

= Wiring diagram number		Explanations
4. Digit: Optional extras		
-	no optional extras	

Wiring diagram number		Explanations
	5. Digit: Selector Switch	
0	No switch	
1	Three position switch with no auxiliary contacts	
2	Three position switch with auxiliary contacts	NO contact in both local and remote
F	Three position switch with no auxiliary contacts. Reset function for PTC tripping device	For Ex actuators
S	Three position switch with one NO contact in remote	
T	Two position switch with one NO contact in remote	

Wiring diagram number	Explanations
<p>6. Digit: Pushbuttons and indication lights</p> <p>0 without pushbuttons and indication lights</p> <p>8 pushbuttons OPEN, STOP, CLOSE indication lights OPEN: green, FAULT: red, CLOSE: yellow</p> <p>A pushbutton OPEN, CLOSE, LOCK-OUT STOP indication lights OPEN: green, FAULT: red, CLOSE: yellow</p> <p>M pushbuttons OPEN, STOP, CLOSE indication lights OPEN: red, FAULT: yellow, CLOSE: green</p> <p>N pushbutton OPEN, CLOSE, LOCK-OUT STOP indication lights OPEN: red, FAULT: yellow, CLOSE: green</p> <p>Q pushbutton OPEN, CLOSE, LOCK-OUT STOP indication lights OPEN: red, CLOSE: green</p> <p>3 pushbuttons OPEN, STOP, CLOSE indication lights OPEN: red, CLOSE: green</p> <p>1 Three position switch OPEN, STOP, CLOSE</p> <p>R Three position switch OPEN, STOP, CLOSE Indication lights OPEN: red, CLOSE: green</p> <p>S Three position switch OPEN, STOP, CLOSE Indication lights OPEN: green, CLOSE: red</p> <p>T Pushbuttons OPEN, CLOSE Indication lights OPEN: red, CLOSE: green</p>	

Wiring diagram number		Explanations
-	7. Digit: Hyphen	

Wiring diagram number	Explanations
8. + 9. Digit : Jumpers	
01 1-5-20 / 2-9 / 6-13 / 41-46	
02 1-5-20 / 6-13 / 41-46	
03 1-5-20-35-39 / 2-9 / 6-13 / 19-23 / 41-46	
04 1-5-20-35-39 / 6-13 / 19-23 / 41-46	
05 2-9 / 6-13 / 41-46	
06 6-13 / 41-46	
07 2-9 / 4-8 / 6-13	
08 Project MIRANT PP	
09 Project MIRANT PP	
10 Project CHANG-BIN, FONG-DER	
11 Project CHANG-BIN, FONG-DER	
12 Project TACOA PP	
13 Project JEBEL ALI	
A1 1. Torque switch by pass jumpers installed	
J1 1. Jumpers installed for limit and torque in series	
2. Jumpers between thermal and heater installed	
J2 1. Jumpers installed for limit and torque in series	
2. Jumpers between thermal and heater installed	
3. Torque switch by-pass jumpers installed	
J2 1. Jumpers installed for limit and torque in series	
2. Jumpers between thermal and heater installed	
3. Torque switch by-pass jumpers installed	
J3 1. Jumpers installed for limit and torque in series	
2. Jumpers between thermal and heater installed	
3. Torque switch by-pass jumper installed	
4. Lights on in mid travel jumpers installed	
J4 1. Jumpers installed for limit and torque in series	
2. Jumpers between thermal and heater installed	
3. Torque switch by-pass jumper installed	
4. Lights on at end of travel jumpers installed	

Wiring diagram number	Explanations
<p>8. + 9. Digit: Jumpers</p> <p>J5 1. Jumpers installed for limit and torque in series 2. Jumpers between thermal and heater jumper installed 3. Torque switch by-pass jumper installed 4. Lights on in mid travel jumpers installed 5. Torque seat close jumper jumpers installed</p> <p>J6 1. Jumpers installed for limit and torque in series 2. Jumpers between thermal and heater jumper installed 3. Torque switch by-pass jumper installed 4. Lights on at end of travel jumpers installed 5. Torque seat close jumper installed</p> <p>JA 1. Single phase SG 2. Jumpers installed for limit and torque in series 3. Jumpers between thermal and heater installed 4. Torque switch by-pass jumper installed 5. Lights on in mid travel installed</p> <p>JB 1. Single phase SG 2. Jumpers installed for limit and torque in series 3. Jumpers between thermal and heater installed 4. Torque switch by-pass jumper installed 5. Lights on at end of travel jumper installed</p> <p>JC 1. Single phase SG 2. Jumpers installed for limit and torque in series 3. Jumpers between thermal and heater installed 4. Torque switch by-pass jumper installed 5. Lights on in mid travel jumpers installed 6. Torque seat close jumper installed</p> <p>JD 1. Single phase SG 2. Jumpers installed for limit torque in series 3. Jumpers between thermal and heater installed 4. Torque switch by-pass jumper installed 5. Lights on at end of travel jumpers installed 6. Torque seat close jumper installed</p>	