auma®
Quality Management System
AUMA-Group

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Abbreviated KMS TP Numbering System

Multi-turn actuators types SA
Part-turn actuators types SG .1

Only for internal use

EWH-23 SHORT GB-01

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	Dept.	Name	Date	Reference
issued	PM	Mr Rist		
checked	AUMA Actuators Inc.	Mr Matthis		
checked	EE	Mr Weber		
checked	AA	Mr Kempf		

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1. Code system for KMS TP terminal plans

Note	Value	Switching device	Designation
①	8	R 3/2	PTC thermistor 2
	4		Purchase/special motor (except for LEESON)
	2	R 3	PTC thermistor 1
	1	F 1	1. Thermoswitch
	8	MWG	MWG
④	4	B4	RWG 2 wire (includes potentiometer f1)
	2		Counter-clockwise closing
	1	S5	Blinker
	8		See Product Management
④	4	B2	RWG 4 wire (includes potentiometer f1)
	2	R2	Potentiometer f1
②	1	(400V)	Special switch compartment heater
	8	S 3/4, S4/4	LSC/LSO (WSR 3 / WÖL 3)
	4	S 3/3, S4/3	LSC/LSO (WSR 2 / WÖL 2)
	2	S 3/2, S4/2	LSC/LSO (WSR 1 / WÖL 1)
	1	S 1/2, S2/2	TSC/TSO (DSR 1 / DÖL 1)
	8		See Product Management
	4	R 2/2	Potentiometer f2
	2	S 6/2, S7/2	LSA /LSB (WDR 1 / WDL 1)
	1	S 6 / S7	LSA/LSB (WDR / WDL)
③	8	R4	Motor heater
	4	F 1/2	2. Thermoswitch
	2		
	1	R 1	Switch compartment heater

Figures [ ] + [ ] + [ ] [ ] + [ ] + [ ]

Code [| |] / [| |]

Note: In case the value exceeds 9, further calculations will be done in the hexadecimal system
This means: 10 = A, 11 = B, 12 = C, 13 = D, 14 = E and 15 = F.

Note: This code system describes only the devices built-in the actuator. The code system does not describe on which terminal or plug numbers the devices have to be wired.

① In case PTC thermistor R 3/2 is used for explosion proof actuators, special terminal plan 9TP will apply.

② In case a 400 V heater is installed, special terminal plan 9TP will apply.

③ If motor heater R4 is installed, it has to be wired to terminals 49 and 50.

④ Including potentiometer f1

Example:

TP	A10			/	301		
TP	8 + 2	1	0	/	2 + 1	0	1

NORM KMS Prefixes

Actuators with standard 3-ph AC motors		
	TP…/…	standard configuration
9	TP…/…	special configuration

Actuators with 3 phase purchase brake motor		
46	TP5…/…	motor connection on plug/socket connector standard configuration
94	TP5…/…	motor connection on plug/socket connector special configuration

Actuators with 1-ph AC motors		
1	TP…/…	with AUMA 1-ph AC motor SK (SG motor) standard configuration
91	TP…/…	with AUMA 1-ph AC motor SK (SG motor) special configuration
15	TP…/…	with AUMA 1-ph AC motor ME or LEESON 1-ph motor PSC with capacitor internally wired standard configuration
92	TP…/…	with AUMA 1-ph AC motor ME or LEESON 1-ph motor PSC with capacitor internally wired special configuration
26	TP…/…	with LEESON 1-ph AC motor CSIR 115 V, with capacitor and starting switch installed in the plug cover standard configuratio
93	TP…/…	with LEESON 1-ph AC motor CSIR 115 V, with capacitor and starting switch installed in the plug cover special configuration
27	TP…/…	with LEESON 1-ph AC motor CSIR 230 V, with capacitor and starting switch installed in the plug cover standard configuration
96	TP…/…	with LEESON 1-ph AC motor CSIR 230 V, with capacitor and starting switch installed in the plug cover special configuration

Actuators with DC Motors		
42	TP…/…	with purchase motor: DC motor, special wiring, motor connection on plug/socket connector standard configuration
95	TP…/…	with purchase motor: DC motor, special wiring, motor connection on plug/socket connector special configuration
44	TP4…/…	with purchase motor: DC shunt motor, motor connection on separate terminal box standard configuration
97	TP4…/…	with purchase motor: DC shunt motor, motor connection on separate terminal box special configuration
45	TP4…/…	with purchase motor: DC compound motor, motor connection on separate terminal box
98	TP4…/…	with purchase motor: DC compound motor, motor connection on separate terminal box special configuration

Norm KMS Suffixes

NORM Jumpers		
	Suffix Code	Jumper Description
TP…/…/	A1	1. Torque switch by pass jumpers installed
TP…/…/	J1	1. Jumpers installed for limit and torque in series 2. Jumpers between thermal and heater installed
TP…/…/	J2	1. Jumpers installed for limit and torque in series 2. Jumpers between thermal and heater installed 3. Torque switch by-pass jumpers installed
TP…/…/	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
TP…/…/	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
TP…/…/	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
TP…/…/	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
TP…/…/	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
TP…/…/	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
TP…/…/	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
TP…/…/	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