

SERVO-TOP

QE5542

CE

Type

T355SE

Instruction Manual

Part 3

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Technical updatings reserved!

11. Survey and List of Parameters

11.1 Explanation of Parameter Survey

The parameter survey is designed as an aid for finding parameters quickly. It is a summary of references for the parameter list. Listed behind each reference are all parameters which exert an influence on the function described by the reference.

The parameter survey is divided into five columns:

Column 1 shows the references (functions) to which parameters are assigned.

Column 2 shows the abbreviations of the respective functions.

Column 3 shows all parameters (setting numbers) belonging to the respective reference.

Column 4 shows, for each function (reference) which controls inputs or outputs, the applicable indications such as Ex or Ax which can also be found on the connections diagram.

Column 5 shows, for each function (control inputs (Ex) or control outputs (Ax)), the respective plugs with the number of contacts (see connections diagram).

Example for searching a parameter:

Keyword (function): inverse rotation

The parameter survey shows in column 3 the parameter numbers 618, 623, 801.

Suppose that the inverse rotation function is to be enabled. The parameter list shows this function under parameter number 618.

11.2 Explanation of Parameter List

The parameter list is divided into 5 columns. These comprise, in

column 1: the parameter number,

column 2: is the explanation (meaning) of the parameters and the coding system of row 1 of the keys of the mini operator's panel, used when the parameter concerned can be programmed with the mini operator's panel,

column 3: the programming level (A, B, C) on which the parameter in question can be accessed,

column 4: the range of values within which the parameter in question can be set,

column 5: the value of the parameter in question is set on delivery ex factory.

Parameters having "either/or" validity (software switches) can merely be set to value I or II. In the case of such parameters, column 4 is empty.

Parameter numbers in acute brackets; e.g. <105>, mean the value (content) set for the parameter in question.

Example:

107 Speed for front backtack when <106> = I

I limited by <105>

II limited by <607>

Explanation:

Parameter 107 is valid only the the value (content) of parameter <106> = I.

If parameter 107 is set to I (<107> = I), then the speed for the front backtack is limited by parameter 105, e.g. <105> = 1500. If parameter 107 is set to II (<107> = II), then the speed for the front backtack is limited by the value of parameter 607, e.g. <607> = 4000.

11.3 Parameter survey T355SE (2a_555_8.EN)

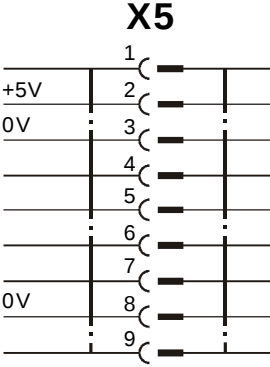
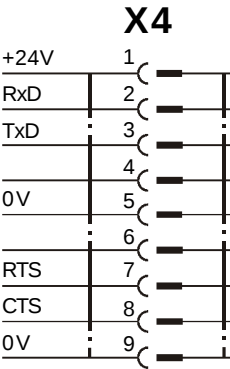
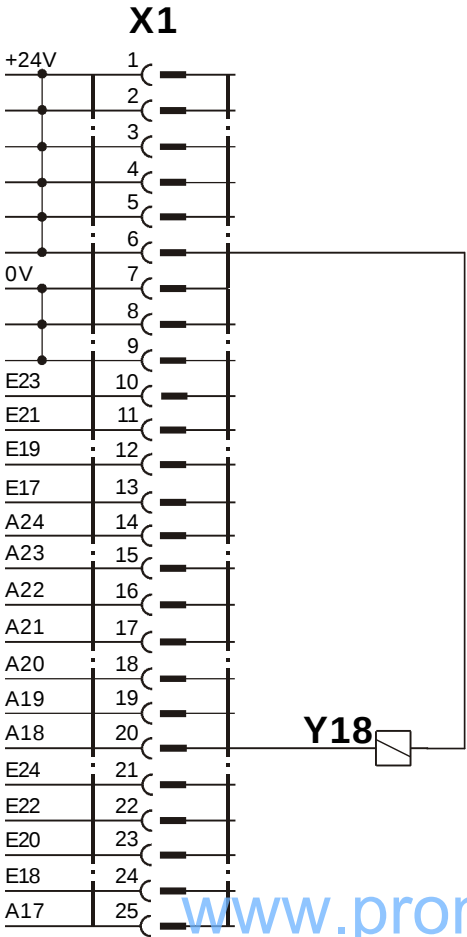
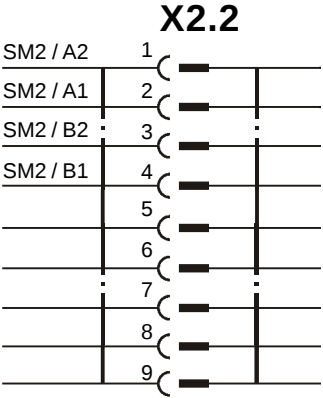
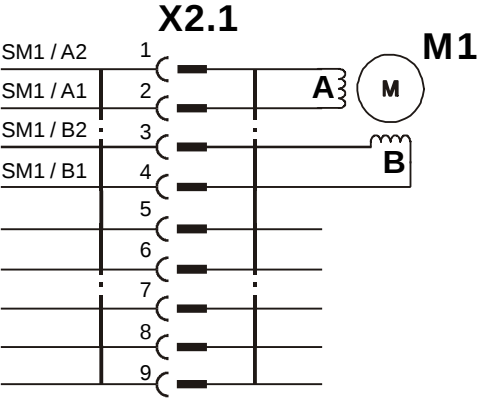
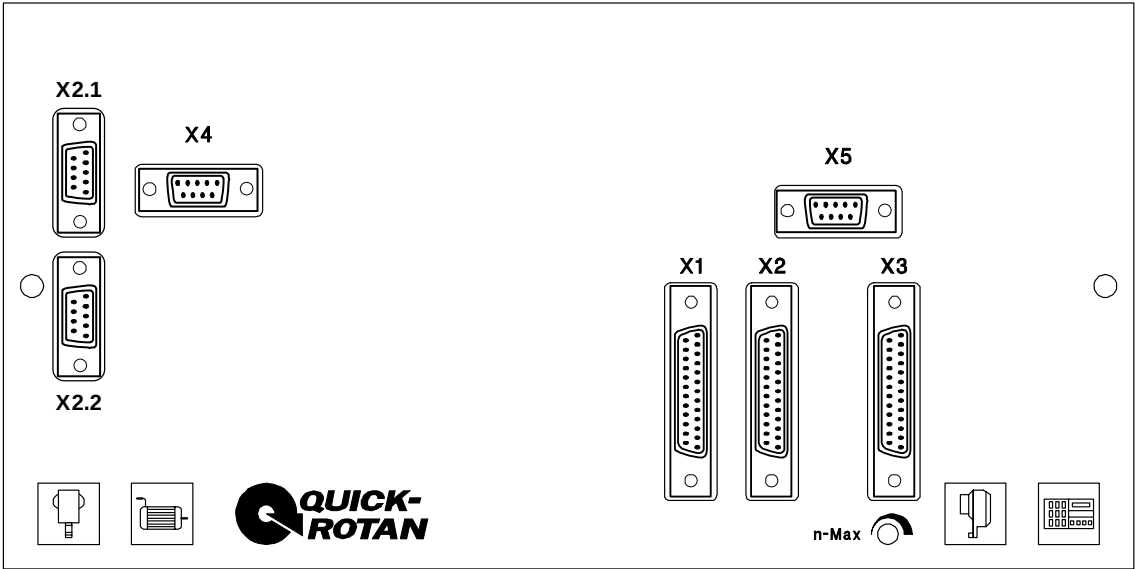
Function	Abbrev'n	Parameter	Input Output	Connection Socket/Contacts
Auxiliary drive	ZUSAN	805		
Chopper	MESSER	537		
Control	REG	975		
Defect search	HWT	797		
Delay	VERZ	240/241/242 243/245/246 247/249/483 730/958		
Direction of rotation	DRR	805		
Hardware test	HWT	797		
Machine class	MAKL	790		
Presser foot	PF	719/729/730		
Programming level C	EBC	798		
Stacker	STAP	240/241/242 243/244/245 246/247/248 249/483/484 528		
Start delay	STVERZ	729		
Tefron	TEF	240/241/242 243/244/245 246/247/248 249/836/837 838/978		
Time needed to switch on	EINZ	244/248/484 528/537		
Timing output	TA	719		

11.4 List of Parameters T355SE (2a_555_8.EN)

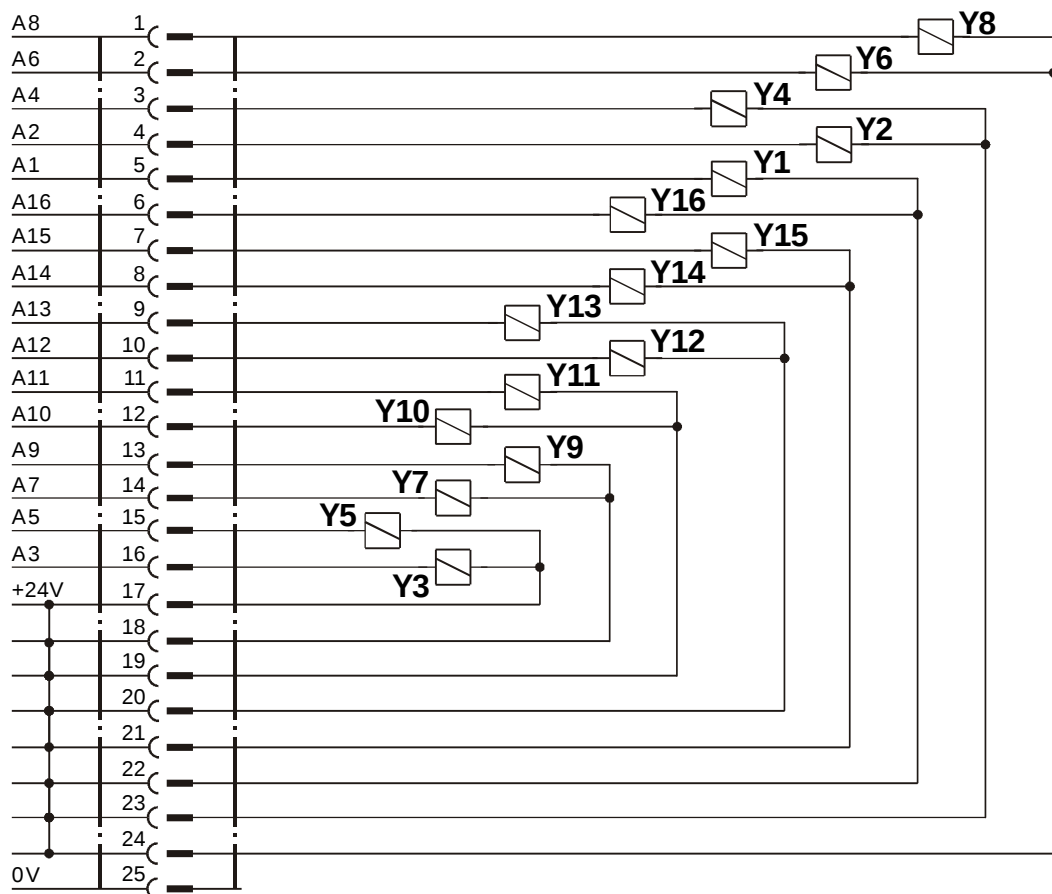
No.	Function (Meaning)	Level	Range of Values	Standard Value
240	(VERZ/TEF/STAP) Delay for product tension	B,C	0-2550	2550
241	(VERZ/TEF/STAP) Delay for label clamp on	B,C	0-2550	90
242	(VERZ/TEF/STAP) Delay for product out	A,B,C	0-2550	500
243	(VERZ/TEF/STAP) Delay for cloth clamp after the end of <242>	A,B,C	0-2550	500
244	(EINZ/TEF/STAP) Switch on time for label-arm	A,B,C	0-2550	300
245	(VERZ/TEF/STAP) Delay from product tension release to product out off	A,B,C	0-2550	200
246	(VERZ/TEF/STAP) Delay after the end <245> for clamp close release	A,B,C	0-2550	150
247	(VERZ/TEF/STAP) Delay from clamp close to product tension release	A,B,C	0-2550	150
248	(EINZ/TEF/STAP) enable time for pleating plate	A,B	0-2550	800
249	(VERZ/TEF/STAP) signal delayed at input E1 (left-hand sensor) until stapling starts	A,B	0-2550	100
483	(STAP/VERZ) time for lowering table after light barrier dark	B,C	0-2550	150
484	(STAP/EINZ) time for raising table	B,C	0-2550	100
528	(EINZ/STAP) Duration (ms) of stacker function	B,C	0-2550	100
537	(EINZ/MESSER) Chopper duty cycle (ms)	B,C	10-2550	200
719	(PF/TA) Timing output A4 (0 = 100% switching on)	C	0-100	40
729	(STVERZ/PF) Start delay after lowering presser foot	B,C	0-2550	130
730	(PF/VERZ) Lift delay for presser foot after seam end	B,C	0-400	30
790	(MAKL) Program selection for machine classes by operators box	A,B,C		I
796	(SONST) Quick internal	A,B,C		II
797	(HWT) Hardware test I yes II no	B,C		II
798	(EBC) Programming level C I yes II no	B,C		II
805	(DRR/ZUSAN/SMOT) Rotational direction of auxiliary drive I lefthand rotation II righthand rotation	B,C		I *
836	(SMOT/TEF) Band transport distance 1	A,B,C	0-255	40
837	(SMOT/TEF) Band transport distance 2	A,B,C	0-255	20
838	(SMOT/TEF) correction factor	A,B,C	0-200	100
870	(SMOT) maximum speed of stepping motor 1	B,C	10-2550	1000
871	(SMOT) Start-/stopping speed of stepping motor 1	B,C	10-1000	500
873	(SMOT) acceleration of stepping motor 1	B,C	1-50	10
877	(SMOT) band reverse movement 2 of stepping motor 1	A,B,C	0-255	10
878	(SMOT) acceleration increments of stepping motor 1	B,C	0-255	150
879	(SMOT) braking increments of stepping motor 1	B,C	0-255	100

956	(SMOT) maximum current of stepping motor 1 (255 = 3.6 A)	B,C	1-255	140
957	(SMOT) stationary current of stepping motor 1 (255 = 3.6 A)	B,C	0-255	70
958	(SMOT/VERZ) delay time from stop until switch-on of stationary current of stepping motor 1 (ms)	B,C	0-2550	1000
974	(SMOT) approach ref. position with stepping motor 2 after mains on I automatically II via input signal	C	1-127	50
975	(REG) integral gain for stepping motor 1 and stepping motor 2	C	1-127	3
978	(TEF) reader suppression	A,B,C	1-255	20

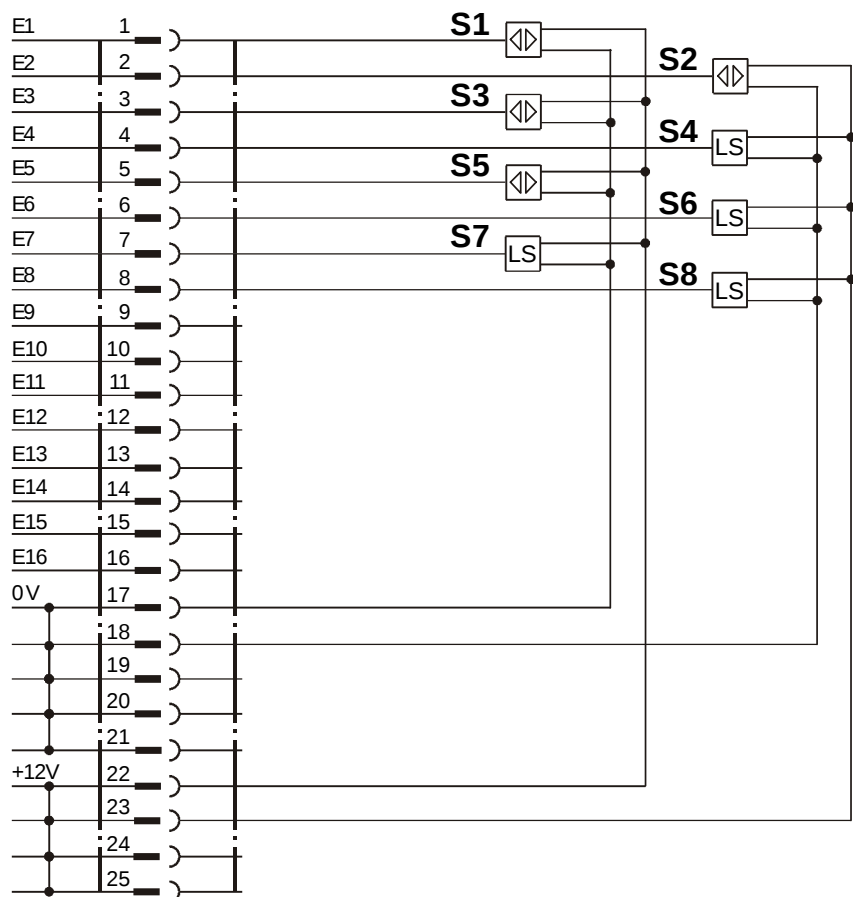
12. Electrical Connections Diagram T355SE



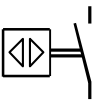
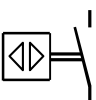
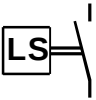
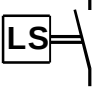
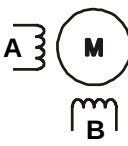
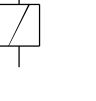
X2



X3



Bedeutung der Magnete bzw. Magnetventile, Taster / Meaning of magnets and/or solenoids and keys
 Signification des aimants resp. solenoides et touches / Significação dos imãs e/ou as solenoidas e teclas
 Significato dei magneti, delle valvole magnetiche e dei tasti / Significación de los imanes y/o los solenoides
 y pulsadores / Betekenis van de magneten resp. magneetkleppen, toetsen

S1		Klammer Sensor links / clamp sensor left
S2		Klammer Sensor rechts / clamp sensor right
S3		Etikettklammer / label clamp
S4		Start
S5		Presserfuß unten / presser foot down /
S6		Lichtschranke Maschine / lightbarrier machine
S7		Lichtschranke Etikett / lightbarrier label
S8		Lichtschranke Stapler / lightbarrier stacker
M1		Schrittmotor 1 für Bandtransport / stepping motor 1 for tape feed / moteur pas à pas 1 pour transport de ruban / motor de impulsos 1 para transporte de cinta / motore a impulsu 1 per trasporto nastro / motor paso a paso 1 para transportador de cinta / stappenmotor 1 voor de bandtransport
Y1 I max 100 mA		Stapler - Produkt vorfahren / stacker - product out
Y2 I max 100 mA		Stoffklemme / cloth clamp
Y3 I max 100 mA		Klammer schließen / clamp close
Y4 I max 100 mA		Produkt spannen / product tension

Bedeutung der Magnete bzw. Magnetventile, Taster / Meaning of magnets and/or solenoids and keys
 Signification des aimants resp. solenoides et touches / Significação dos imãs e/ou as solenoidas e teclas
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Y5  I max 100 mA	Faltblech / folder blade
Y6  I max 100 mA	Tisch heben / table up
Y7  I max 100 mA	Tisch senken / table down
Y8  I max 100 mA	Startfreigabe 1 / enable start 1
Y9  I max 100 mA	Startfreigabe 2 / enable start 2
Y10 I max 100 mA	Messer / knife
Y11  I max 100 mA	Etikett klemmen nach Transport / label clamp after transport
Y12  I max 100 mA	Etikett falten / label fold
Y13  I max 100 mA	Etikett Zuführarm / label arm
Y14  I max 100 mA	Etikett-Halteklammer schließen / label hold clamp close
Y15  I max 100 mA	Etikett-Halteklammer vorwärts / label hold clamp forward
Y16  I max 100 mA	Bläser / blower
Y18  I max 8 A *	Initialisierung Etikettleser /

- * Die Summe der Lastströme aller gleichzeitig eingeschalteten Stellglieder (Magnete, Magnetventile) darf den Wert von 4A nicht überschreiten (siehe hierzu Kapitel 2. Technische Daten).
- * The total of load currents of all servos activated simultaneously (solenoids, solenoid valves) is not allowed to exceed 4 amps (see also section 2, Technical Specifications).
- * Le total des courants de charge de tous les vérins (aimants, électro-vannes) activés simultanément ne doit pas dépasser 4 A (voir aussi le chapitre 2, "caractéristiques techniques")
- * A soma das correntes sob carga de todos os actuadores ligados ao mesmo tempo (ímans, solenóides) não pode ultrapassar o valor de 4A (ver também capítulo 2, Dados Técnicos).
- * La somma delle correnti di carico di tutti gli attuatori inseriti contemporaneamente (magneti, elettrovalvole) non deve essere superiore a 4 A (vedere il capitolo 2 dati tecnici).
- * La suma de las corrientes bajo carga de todos los elementos de todos los componentes de regulación conectados simultáneamente (imanes, válvula magnética) no podrá sobrepasar el valor de 4A (véase también el capítulo 2. de datos técnicos).
- * De belastingsstroom van alle tegelijkertijd ingeschakelde bedieningsschakels (magneten, magneetventielen) mag in totaal niet meer dan 4 A bedragen (zie hiervoor hoofdstuk 2. Technische gegevens)