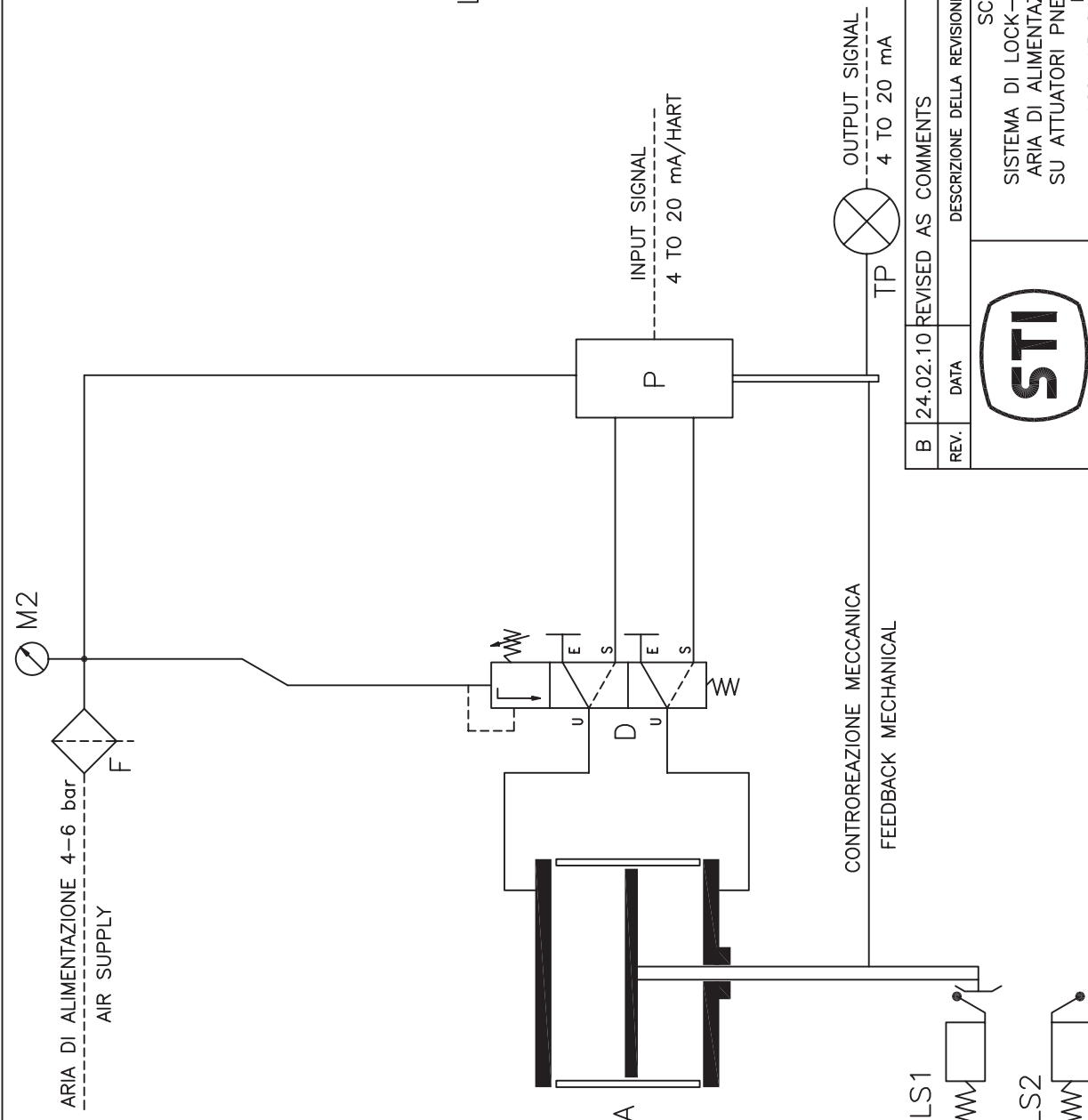


A 02-MAR-07		PRIMA EMISSIONE	P. PERSICO		M. GIOVANELLI
REV.	DATA	DESCRIZIONE DELLA REVISIONE	ESEGUITO	CONTR./APPROV.	
			SOSTITUISCE IL SOSTITUITO DAL		
			DD 22047_165		
			DD 22047_165 .DRW		
			PAG. N°	1	DI N° 1



DIMENSIONAL DRAWING
DOUBLE ACTING PNEUMATIC CYLINDER ACTUATOR
SC SERIES SIZE 100/200 MECHANICAL STROKE 165 mm
WITH ELECTROPNEUMATIC POSITIONER TZID-C

STI		SC Pneumatic Piston Actuator Data Sheet				Mod.SC01			
						Doc.n°	91956 SC 01		
						Sheet	01	of	01
GENERAL	1	Project :			Customer :	SIEMENS TURBOM. / GERMANY			
	2	Purchaser Order N°	259074		Yr ref. :				
	3	STI Quotation :	STANDARDISATION AGREEM.		STI Order :	91956			
	4	Service :			Tag :	1005109			
	5	Ambient Temp. :	-20° /+70°C		Q.ty :	2			
	6	2	Req. Thrust :	N.A.	Actuator thrust :	3700 N at 5 bar	Air Supply :	6 kg/cm ² g MAX	
	7		Stroking Time Sec modul :		Emergency :		On Air Failure :	lock (NOTE1)	
ACTUATOR AND ACCESSORIES	8	Actuator Type :	double acting		Type of Service:	modulating			
	9	Actuator Size:	100		Nominal Stroke :	165 mm (NOTE2)			
	10	2	Positioner model :	TZID-C (23)	Inlet signal :	4-20 mA/HART(line23)	Size:	1/4"	
	11		Posit. : Stem Extend at	decreasing signal (note3)		Characteristic:	linear		
	12		Positioner accessories :			Gauges:			
	13		Air Lock Model :	AL101 1/4"mounted on posit.		Setting :	2,5 bar		
	14		Air Tank + Check Valve :			Air Set:	Air Filter 1/4" Regul. c/w gauge		
	15		Tubing Mater. :	AISI 316L metric		Fitting Mater. :	Stainless steel		
	16		Air Supply Connections:	1/4"NPTF		Gaskets :	standard nitrilic		
	17	1	Limit Switches Type:	Proximity		Contact Type:	2 wires		
	18	1	Limit Switches Position:	1stem ext.+ 1stem retr.		Model :	INCLUDED IN TZID-C (SJ2; line24)		
	19		Solenoid Valve:		Supply:		Mod :		
	20	1	Position Transmitter:	INCLUDED IN TZID-C		Output Signal:	4-20 mA		
	21		Knuckle :	Rear square		Clevis :	Not Included (LINE26)		
	22		Protect. Degree for Electr. Equip. :		EExib IIC T4	Actuator Installation :	Vertical/clevis up		
	23		TZID-C CODE V18345-2021521301 (FAIL FREEZE TYPE)						
	24	2	LIMIT SWITCHES PROXIMITY TYPE PEPPERL&FUCHS Eexia IIC T6 execution						
	25		SPECIAL EXECUTION SUITABLE FOR CORROSIVE ATMOSPHERE (STAINLESS STEEL: STEM, TIE-RODS,						
	26		EXTERNAL SCREWS, COUPLING DETAILS FOR ACCESSORIES)						
27		STEM THREADED M16X1,5							
28		ACTUATOR ACC. ATEX DIRECTIVE 94/9/EC with ATEX label: Ex II2G EEx c IIC T6							
29									
30									
31									
32									
33									
34									
35	1	Dimensional Drawing:	DD22047_165		Connection Diagram:	KKK01			
REMARKS :									
1) LOCK IN LAST POSITION IN CASE OF AIR SUPPLY AND/OR INPUT SIGNAL FAILURE									
2) MECHANICAL NOMINAL STROKE 200 mm REDUCED TO 165 mm THROUGH INTERNAL MECHANICAL STROKE LIMITATOR									
3) STEM FULLY EXTENDED AT 4 mA (IGV CLOSE); STEM FULLY RETRACTED AT 20 mA (IGV OPEN)									
REV.		Date	Name	REV.	Date	Name			
2		24/02/2010	D.GALLO						
1		28/09/2009	D.GALLO						
0		17/07/2009	D.GALLO						



A = DOPPEL TWIRKENDER PNEUMATIKANTRIEB
 DOUBLE ACTING PNEUMATIC ACTUATOR

D = VERBLOCKRELAIS IN SICHERHEITSTELLUNG
 LOCK-UP VALVE IN LAST POSITION

P = STELLUNGSREGLER
 POSITIONER ELECTROPNEUMATIC

ACCESSORI/ACCESSORIES

- BP = BEIPASSVENTIL
- BY-PASS VALVE
- TP = HUBRUECKMELDUNG
- ELECTRONIC POSITION TRANSMITTER
- LS1-2 = ENDSCHALTER
- LIMITS SWITCH
- F = FILTERDRUCKMINDERER
- PRESSURE REDUCING FILTER
- M2 = MANOMETER ZULUFT
- PRESSURE GAUGE AIR SUPPLY

REMARKS:
 1) "X" ACCESSORIES ARE ALWAYS INCLUDED
 2) "BLANK" ACCESSORIES ARE ON OPTION

B	24.02.10	REVISED AS COMMENTS	D.GALLO	P. PERSICO
REV.	DATA	DESCRIZIONE DELLA REVISIONE	ESEGUITO	CONTR./APPROV.
		SCHEMA PNEUMATICO SISTEMA DI LOCK-UP IN POSIZIONE PER MANCANZA ARIA DI ALIMENTAZIONE E SEGNALE DI INGRESSO SU ATTUATORI PNEUMATICI A DOPPIO EFFETTO PNEUMATIC DIAGRAM LOCK-UP SYSTEM IN LAST POSITION FOR AIR SUPPLY & INPUT SIGNAL FAILURE ON DOUBLE ACTING PNEUMATIC ACTUATORS	SOSTITUISCE IL	
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