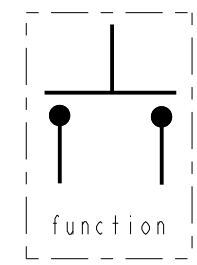


SCALE 10:1

ENVIRONMENTAL DATA	4.7	RECOMMENDED GLUE	CYANOACRYLATE (NON-BLOOMING)
	4.6	OPERATIONAL HUMIDITY CONDITIONS	10% RH TO 95% RH
	4.5	OPERATIONAL TEMPERATURE CONDITIONS	-25°C TO +55°C
	4.4	STORAGE TEMPERATURE	-40°C TO +60°
	4.3	CLEANING	AQUA WASH (ALPHA 2100), BENZINE AMMONIA, 10% SOLUTION WITH DEMINERALIZED WATER.
	4.2	SOLDERING DISTANCE (D)	0.5mm/0.02" FROM BASE, NO MECHANICAL STRESS TO BE APPLIED TO THE COMPONENT DURING SOLDERING
MATERIAL DATA	3.3	SWITCH CONTACT	NICKEL GOLD PLATED ALLOY COPPER
	3.2	SOLDER TERMINAL	GOLD PLATED SILVER ALLOY
	3.1	PLASTIC PARTS	GLASS FILLED NYLON
ELECTRICAL DATA	2.3	KNOB DEFLECTION FOR SWITCH CONTACT	>0,10mm < 0,33mm / 0,16mm OVERTRAVEL MIN.
	2.2	CONTINUOUS CURRENT	< 500 mA / 9V
	2.1	SWITCH CONTACT RESISTANCE	< 150 mΩ
MECHANICAL DATA	1.9.1	ALL MATERIALS (D)	COMPLIANCE WITH EU DIRECTIVE 2002/95/EC (RoHS)
	1.9	KNOB RETENTION FORCE	>10N
	1.8	SWITCH FORCE AT MAX. TRAVEL(OVER TRAVEL)	>115cN to <130cN
	1.7	KNOB TRAVEL	0,50mm
	1.6	MAX. ALLOWED FORCE TO BE APPLIED IN A 45° ANGLE TO SWITCH OPERATIONAL DIRECTION WITHOUT DAMAGES (MAX. 20 TIMES)	500 cN
	1.5	MAX. ALLOWED FORCE TO BE APPLIED IN OPERATIONAL DIRECTION WITHOUT DAMAGES	500 cN
	1.4	OPERATIONAL LIFE TIME	> 100.000 CYCLES
	1.3	SWITCH OPERATIONAL FORCE	>30 cN to <90 cN
	1.2	BENDING OF SOLDERING TERMINALS	> 4 CYCLES 90°
	1.1	PULL STRENGTH OF SOLDERING TERMINALS	> 500 cN INITIAL



SCALE: 17:1				MATERIAL:	
FUNDAMENTAL TOLERANCE: ± 0,03 [0.001]				HEAT TREATMENT:	
ANGLE TOLERANCE: ± 1°				FINISH: refer to detail prints	
MISMATCH TOLERANCE: ± 0,03 [0.001]				TITLE: Model 2900 PRODUCTION	
E	C10111584	09/23/10	00	DATE	NAME
D	C10104073	04/03/06	BCS	6-23-08	SJ
C	C10103104	09/08/05	BCS	6-30-08	GJP
B	C10102732	06/10/05	BCS	6-30-08	GJP
A	A10100099	05/22/03	BCS	6-30-08	GJP
REV.	CHANGE #	DATE	NAME	RELEASED	DATE
PROPRIETARY NOTE: THIS DOCUMENT CONTAINS INFORMATION WHICH IS THE PROPRIETARY PROPERTY OF KNOWLES ELECTRONICS, LLC. OR ITS AFFILIATED ENTITIES. IT IS ISSUED IN STRICT CONFIDENCE AND SHALL NOT BE REPRODUCED, COPIED, USED, OR DISCLOSED TO ANY THIRD PARTY PARTIALLY OR WHOLLY IN ANY MANNER WITHOUT PRIOR WRITTEN PERMISSION OF, AND MUST BE RETURNED UPON REQUEST BY, KNOWLES ELECTRONICS, LLC.					
RELEASED LEVEL: Active				REVISION: E	
DRAWING NUMBER: 2900-400				SHEETS: 1 of 1	