M Series

FEATURES
• Compact design, substantial space saving • Simple assembly • CE approved types
The essential features of the thumb-wheel switch are its high reliability, precision and contact endurance.
Interswitch thumbwheel switches are used in machine tool control systems, measurement and test units, control and regulation systems, computer systems, sound and vision control systems, telecommunications, medical measurement systems, etc.

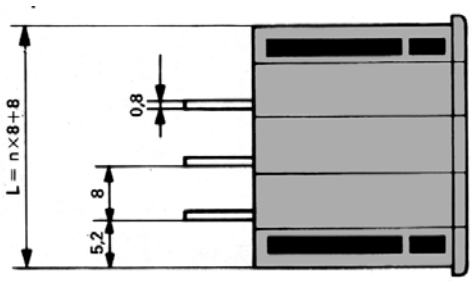
SPECIFICATIONS	
Rates current (resistive load)	1-100 mA AC/DC
Max. current carrying capacity	1 A AC/DC
Max. working voltage	max. 42 V AC/DC
Test voltage	250 V DC
Insulation resistance (+20°C)	10^5 MOhm
Contact resistance (ind. PCB)	100 MOhm
Servicelife (switch operations)	min. 10^5
Permissible ambient temp.	-25° ... +70°C

10 positions	Yes	Edge connections	Yes
16 positions	Yes	Solder pins	Yes
Decimal	Yes	Wire wrap pins	Yes
Binary	Yes	Front mounting	Yes
Binary + Complement	No	Ganged switches	Yes
PCB for diode mounting	Yes	Illuminated Thumbwheels	Opt
Direct solder connections	Yes	Illuminated Decimal Point	Opt

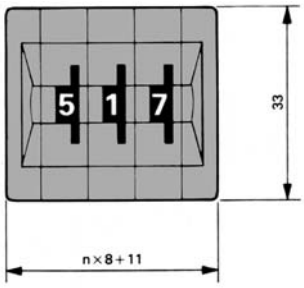
Dimensions	
Width in mm	8
Height in mm	33
Mounting depth in mm	min. 38
Character height in mm	4

Top View

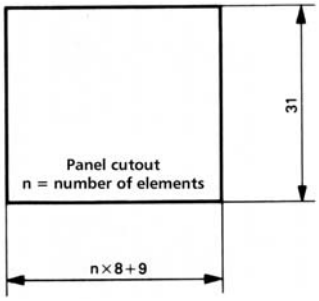
n= Number of modules without end brackets
(1 pair of division plates 1 element)



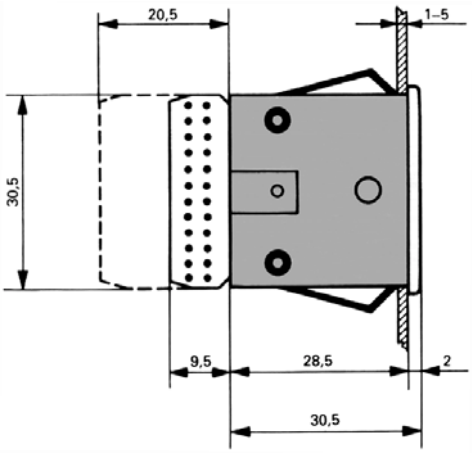
Front View



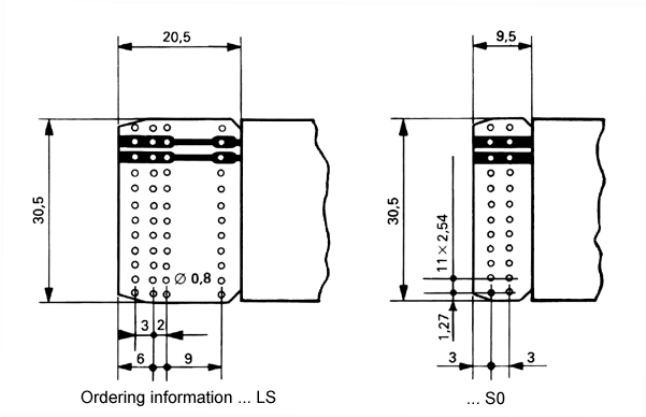
Panel Cut-Out



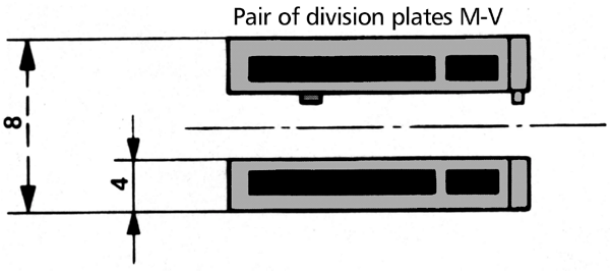
Side View

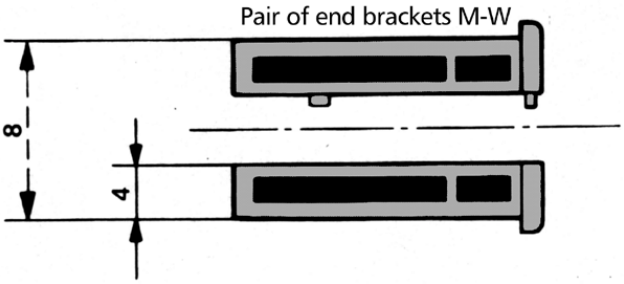


PCB Design

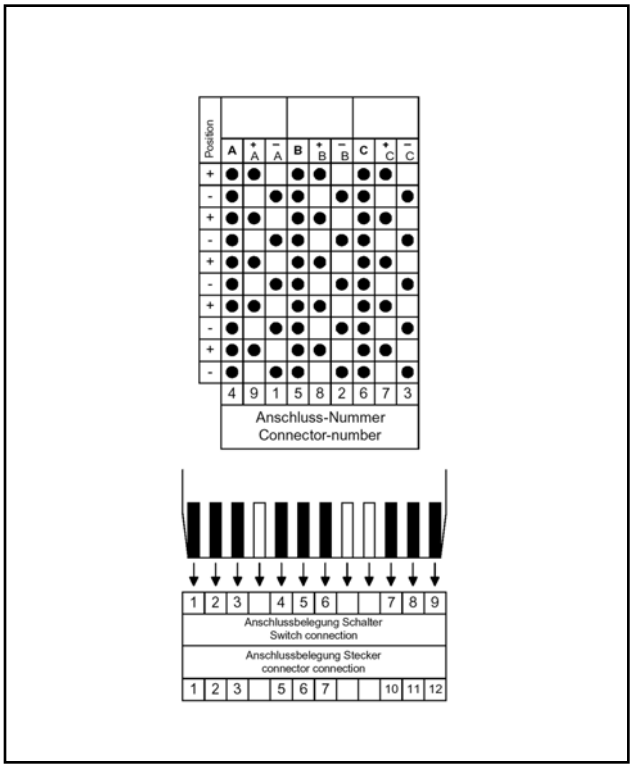


Division Plates and End Brackets

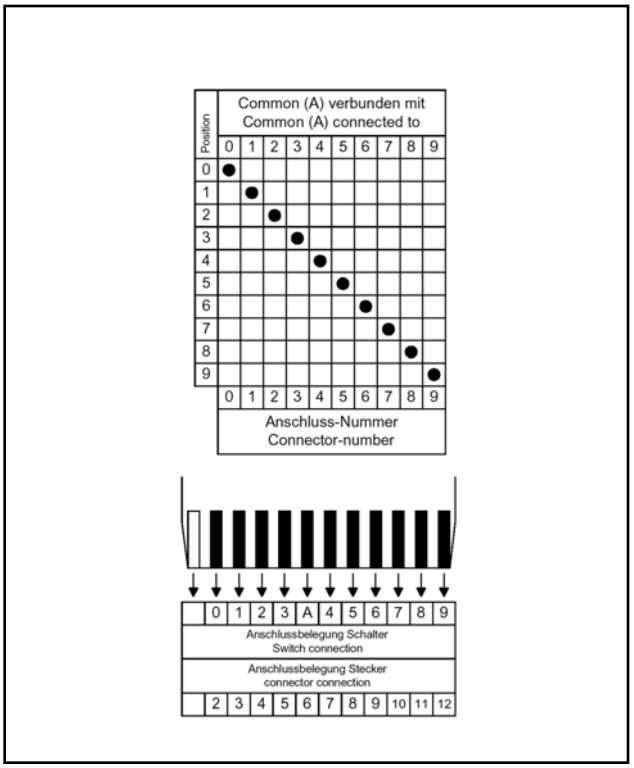




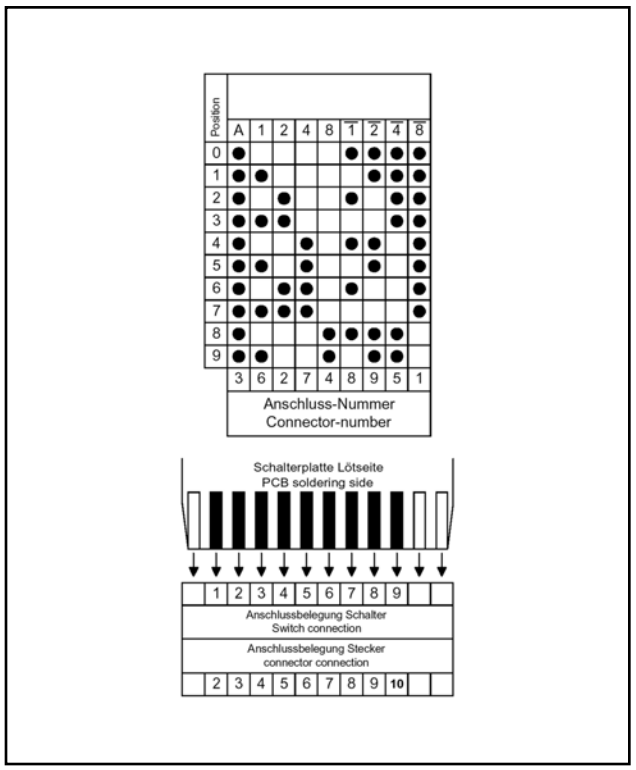
Code 001
Single pole change over switch



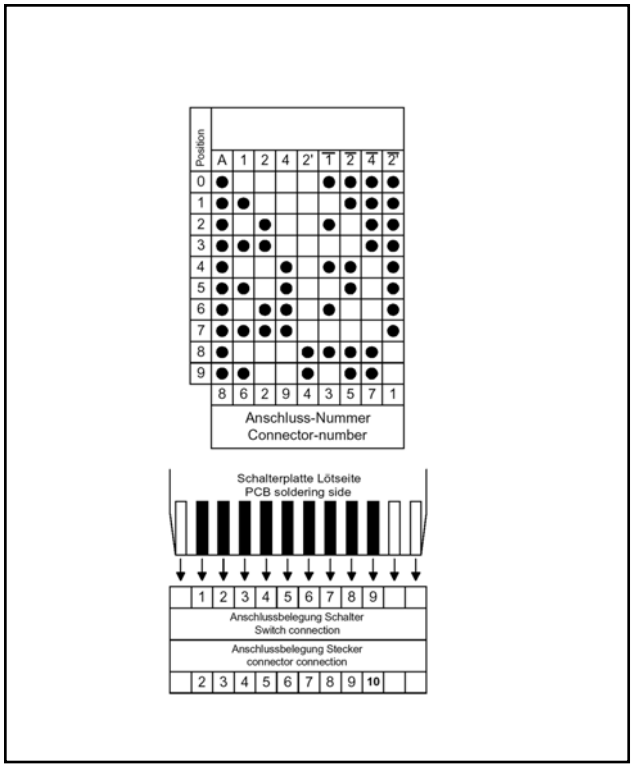
Code 010
Decimal 0-9



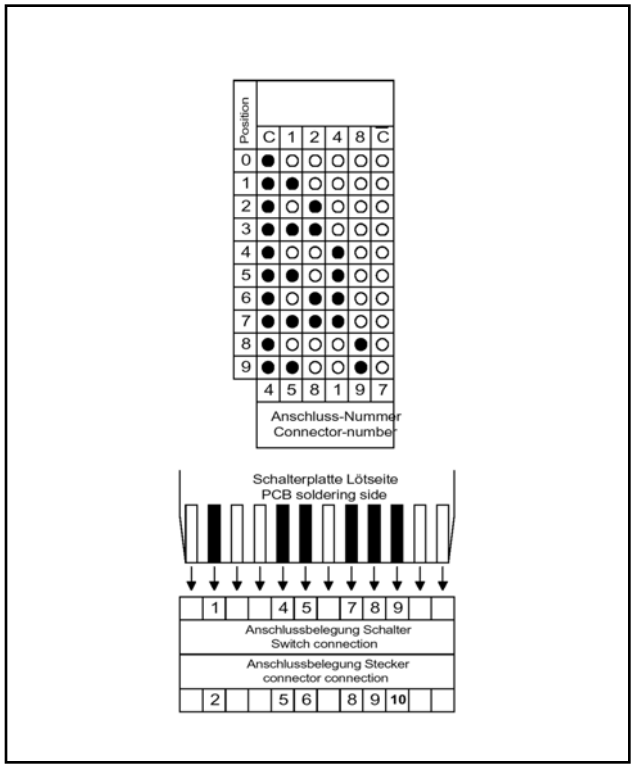
Code 031
BCD Positive



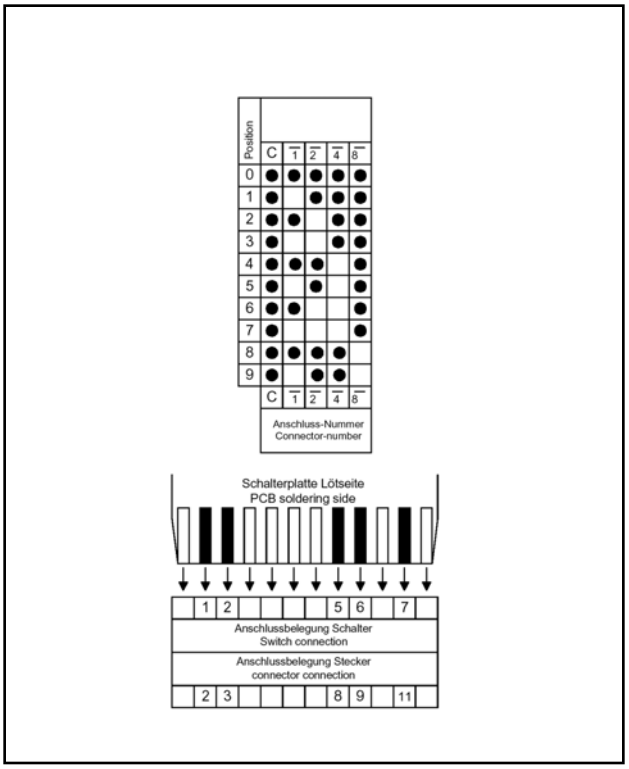
Code 033
Aiken Positive



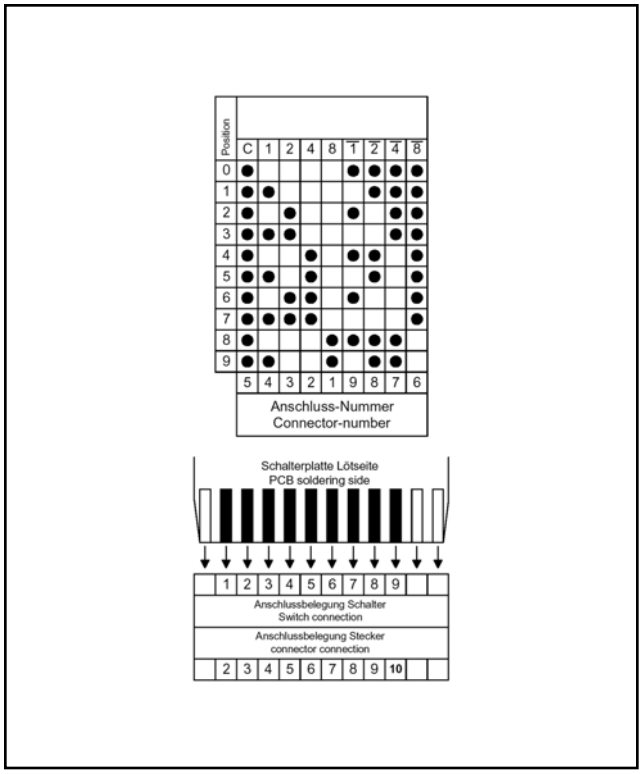
Code 140
BCD + 2 Inputs



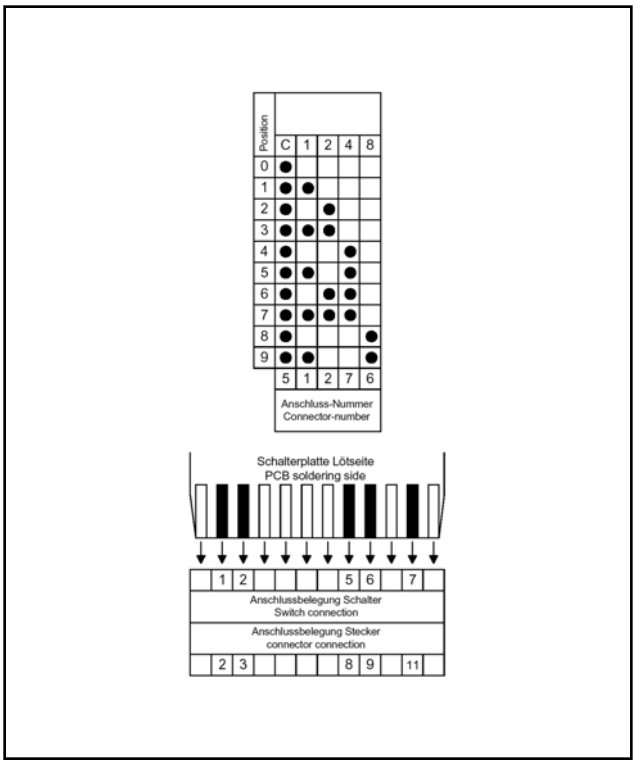
Code 161
BCD negative



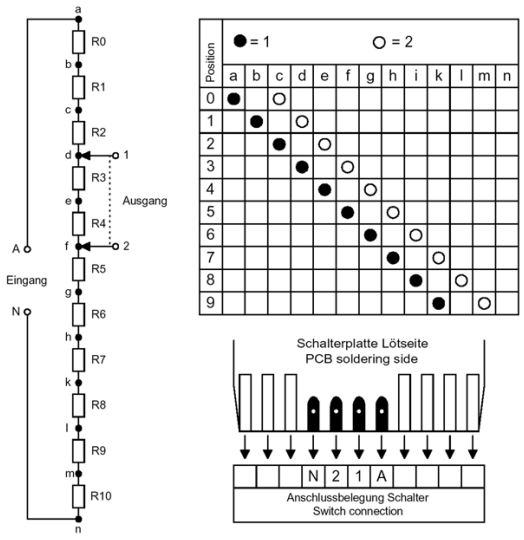
Code 531
BCD + complement



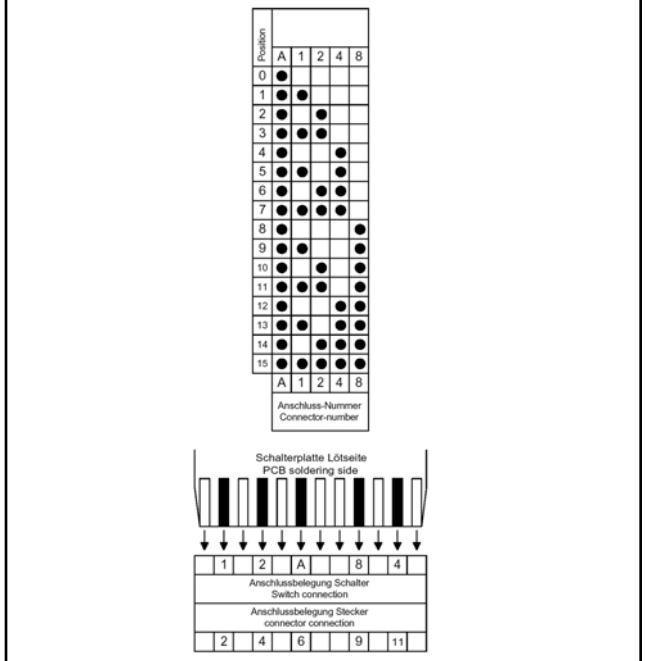
Code 614
BCD Positive



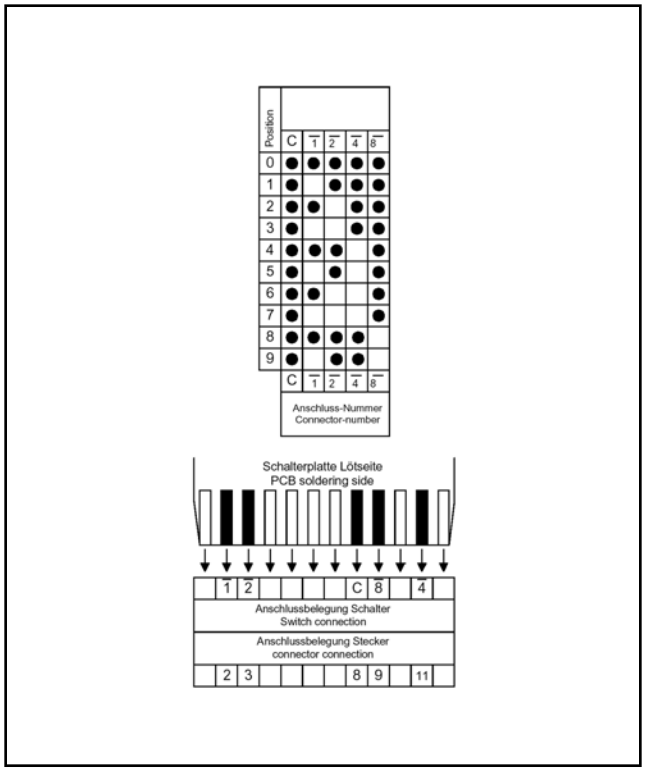
Code 618
Kelvin Varley Voltage divider



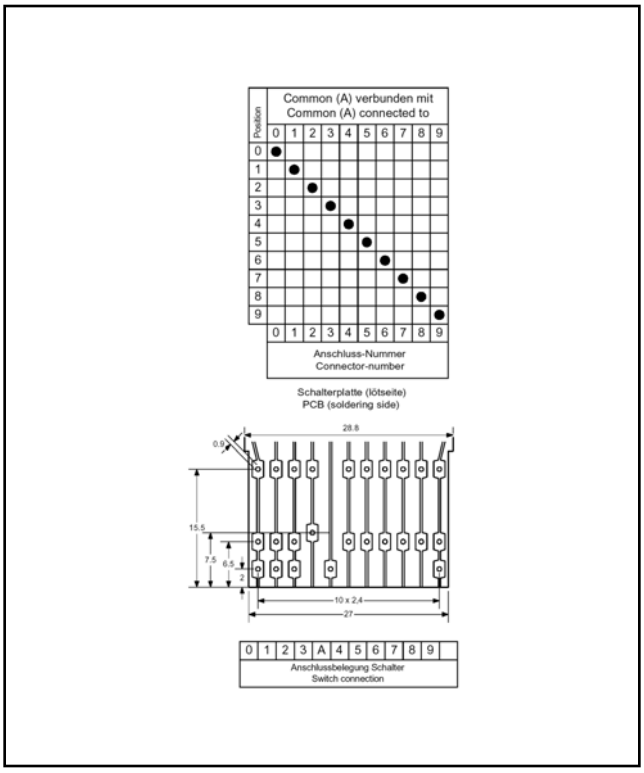
Code 627
Hexadezimal



Code 629
BCD negative

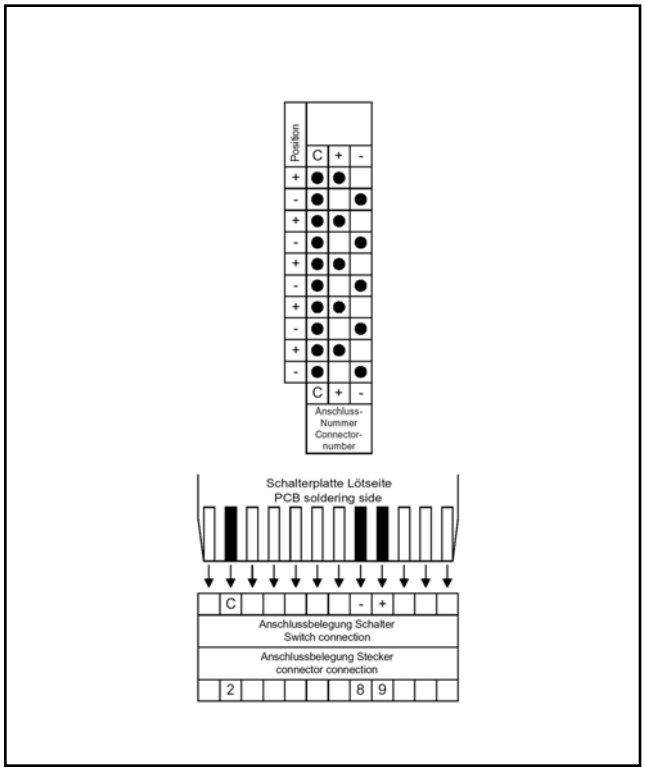


Code 644
Decimal 0-9 für Diodenmontage



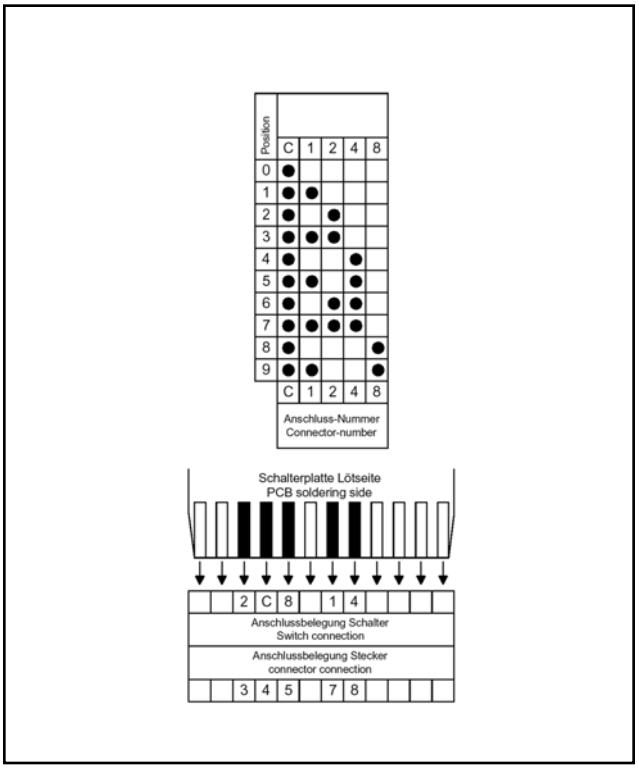
Code 701

Single pole change over switch



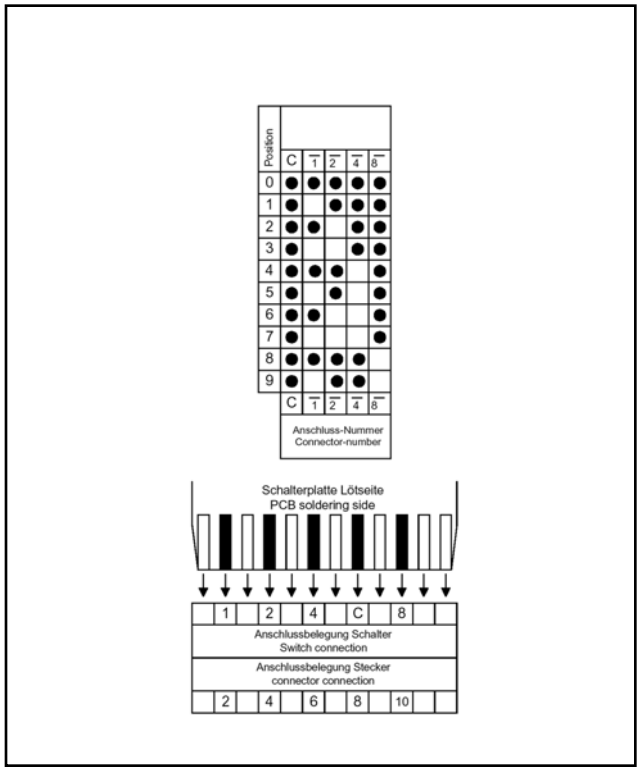
Code 731

BCD Positive



Code 861

BCD negative



Product specifications contained herein may be changed without prior notice. It is therefore advisable to contact Purdy Electronics before proceeding with the design of equipment incorporating this product.