# S Series

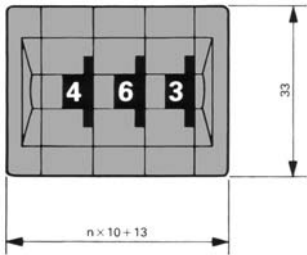| FEATURES |
| --- |
| • Compact design, substantial space saving<br>• Simple assembly<br>• CE approved types |
| The essential features of the thumb-wheel switch are its high reliability, precision and contact endurance. |
| Interswitch thumbwheel switches are used in machine tool control systems, measurement 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. | -55° ... +85°C |

|  |  |  |  |
| --- | --- | --- | --- |
| 10 positions | Yes | Direct solder connections | Yes |
| 16 positions | No | Edge connections | Yes |
| Decimal | Yes | Solder pins | Yes |
| Binary | Yes | Wire wrap pins | Yes |
| Binary + Complement | Yes | Front mounting | Yes |
| PCB for diode mounting | Yes | | |

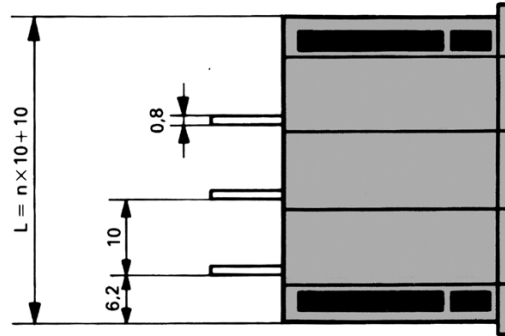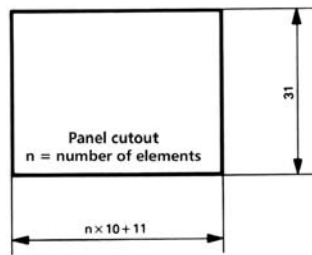| Dimensions | |
|---|---|
| Width in mm | 10 |
| Height in mm | 33 |
| Mounting depth in mm | min. 33.5 |
| Character height in mm | 4 |

## Top View

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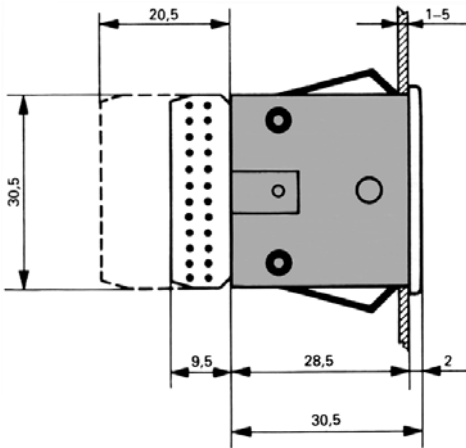(1 pair of division plates 1 element)

## Front View



## Panel Cut-Out



Panel cutout
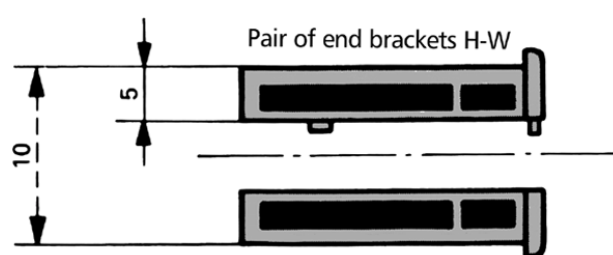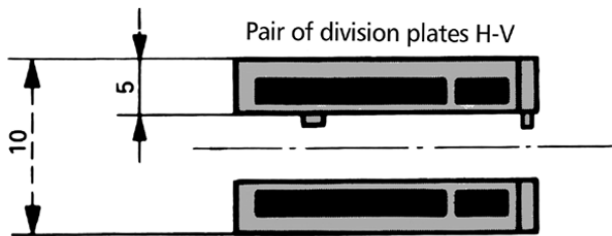n = number of elements



## Side View



## PCB Design



Ordering information ... LS

... S0
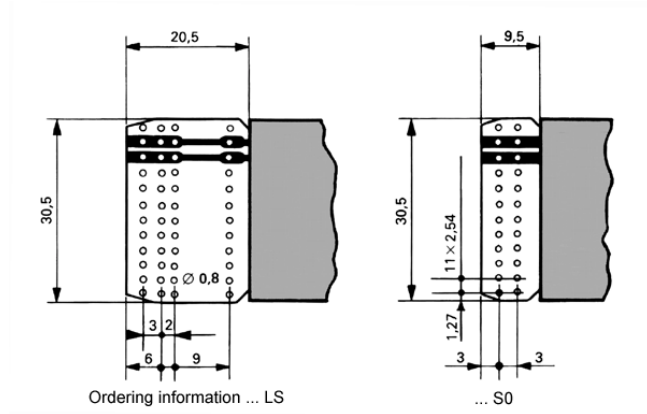
## Division Plates and End Brackets



Pair of division plates H-V
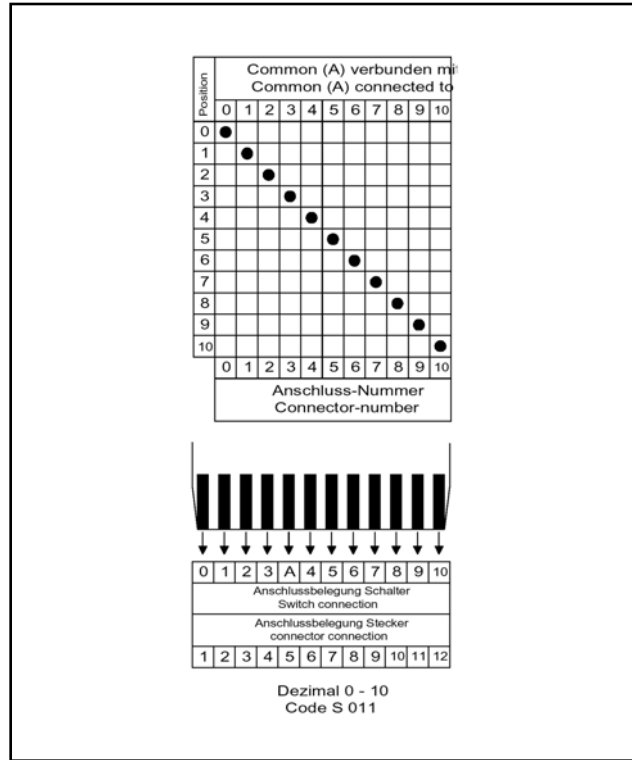
Pair of end brackets H-W
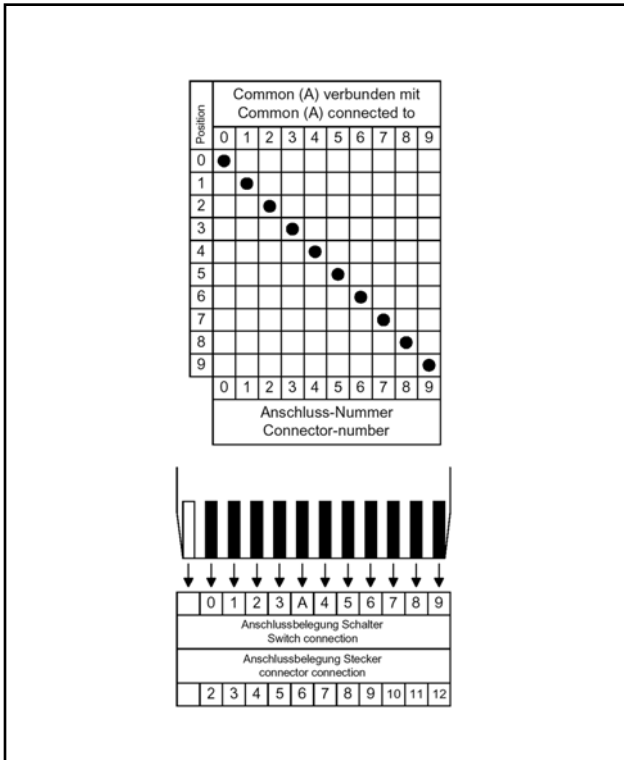
## Code 010
Decimal 0-9



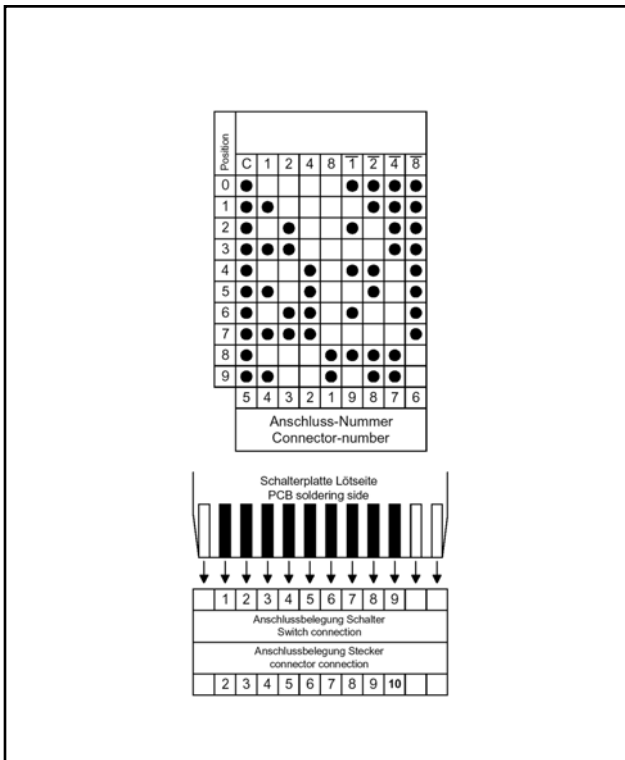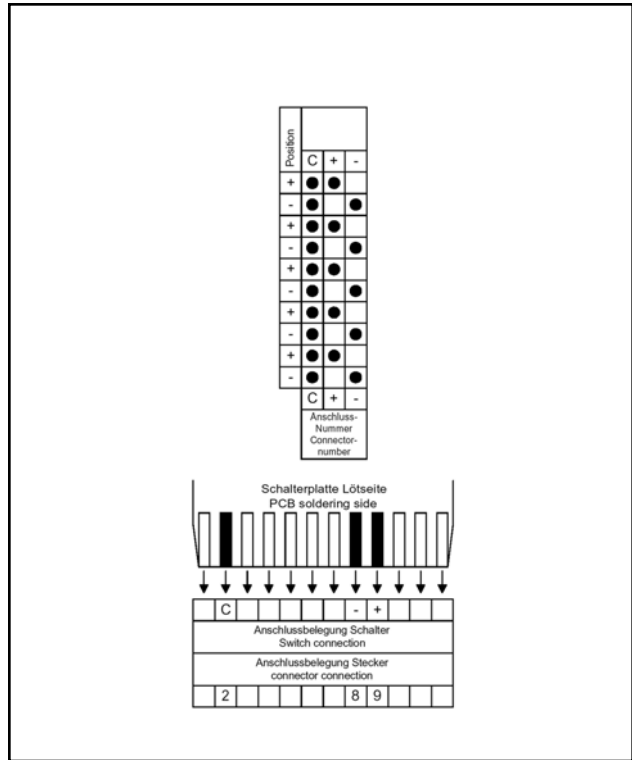## Code 011
Decimal 0-10
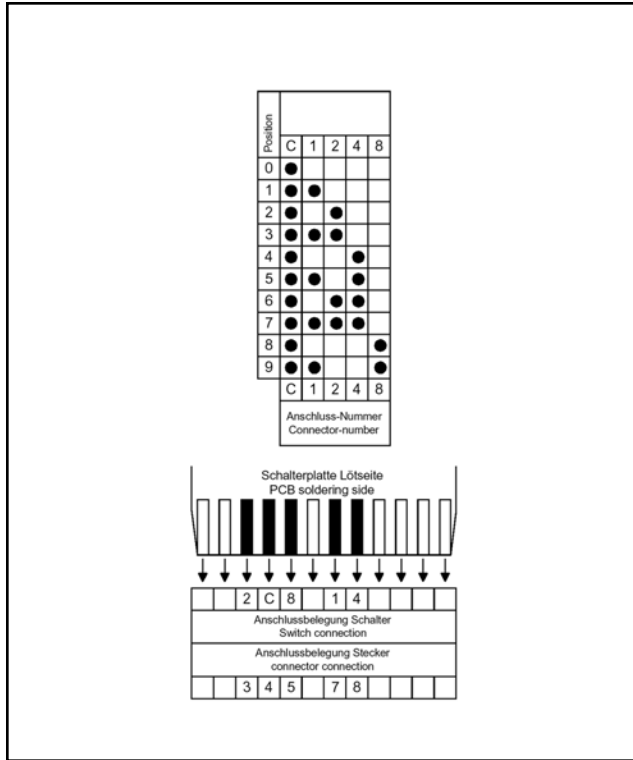


## Code 531
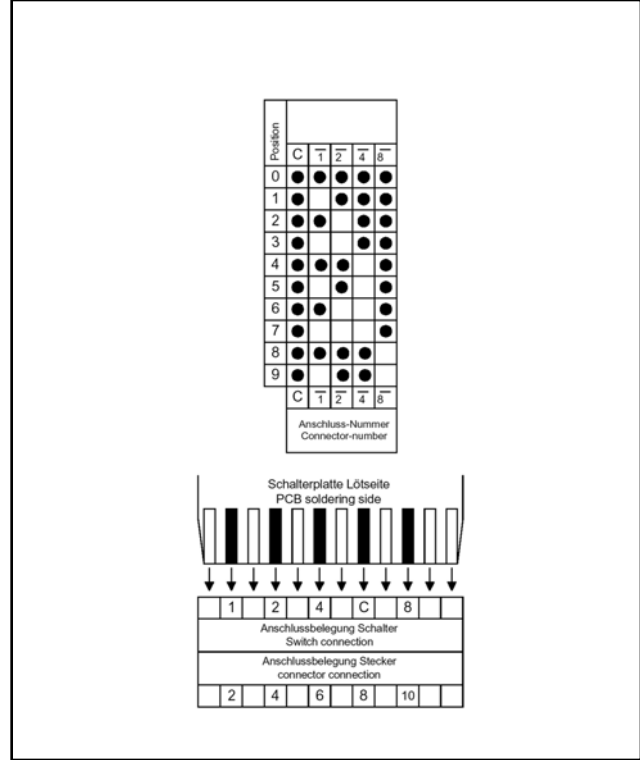BCD + complement



## 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.