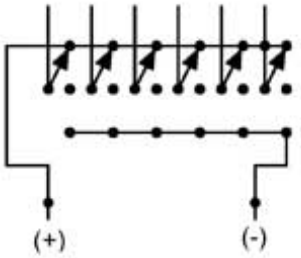
D14AT

PTR HARTMANN
A Phoenix Mecano Company

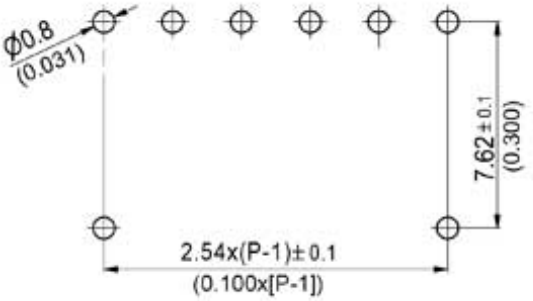
- 2.54 mm pitch
- 3.6 mm height
- 3 positions per pole (+ | 0 | -)
- Gold plated contacts
- Raised or low actuators available
- Available with tape for automated assembly

On these Tri-State-Switches the pins of the back row can be switched from home position (0) to the left (+) or right (-) front row pin. That gives you three positions per pole. The benefit of three positions per pole is when it comes to devices with limited space and higher numbers of codes are needed, tri-state switches will offer 3^n different codes in the same space where a standard DIP-Switch will only have 2^n codes.

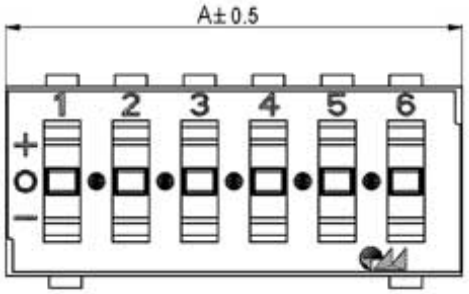
Schaltbild
Circuit diagram

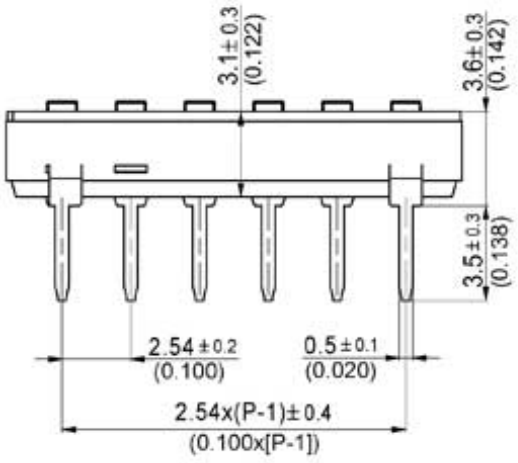


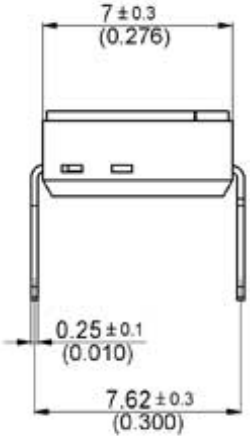
Leiterplatten - *PCB - Layout*
(Top view)



Einheit/*Unit*: mm (inch)







Mechanical Data	Electrical Data	Material

Fixation mode	THT
Type	horizontal
Switching positions	3
Pitch of solderpins	2.54 mm
Switching mode	Contact wiping on make and break
Contact form	Tri-State (1 | Z | 0)
Mechanical lifetime	2.000 operations
Storage temperature	-40 °C ... +85 °C
Humidity	95 %RH, 40 °C, 96 h
Vibration	10 Hz - 55 Hz, 6 h
Wave soldering	Double Wave acc. DIN EN 61760-1:2006

Mechanical Data	Electrical Data	Material

Switching voltage	24.0 V
Operating current max.	25.0 mA
Standby current	100.0 mA
Test voltage	500.0 VDC min. / 60.0 s
Contact resistance initial	50.0 mΩ
Contact resistance after life test	100.0 mΩ
Capacity between adjacent switches	5.0 pF max.

Mechanical Data	Electrical Data	Material

Housing	UL 94V-0
Solder pins	tin plated
Contact plating	gold plated