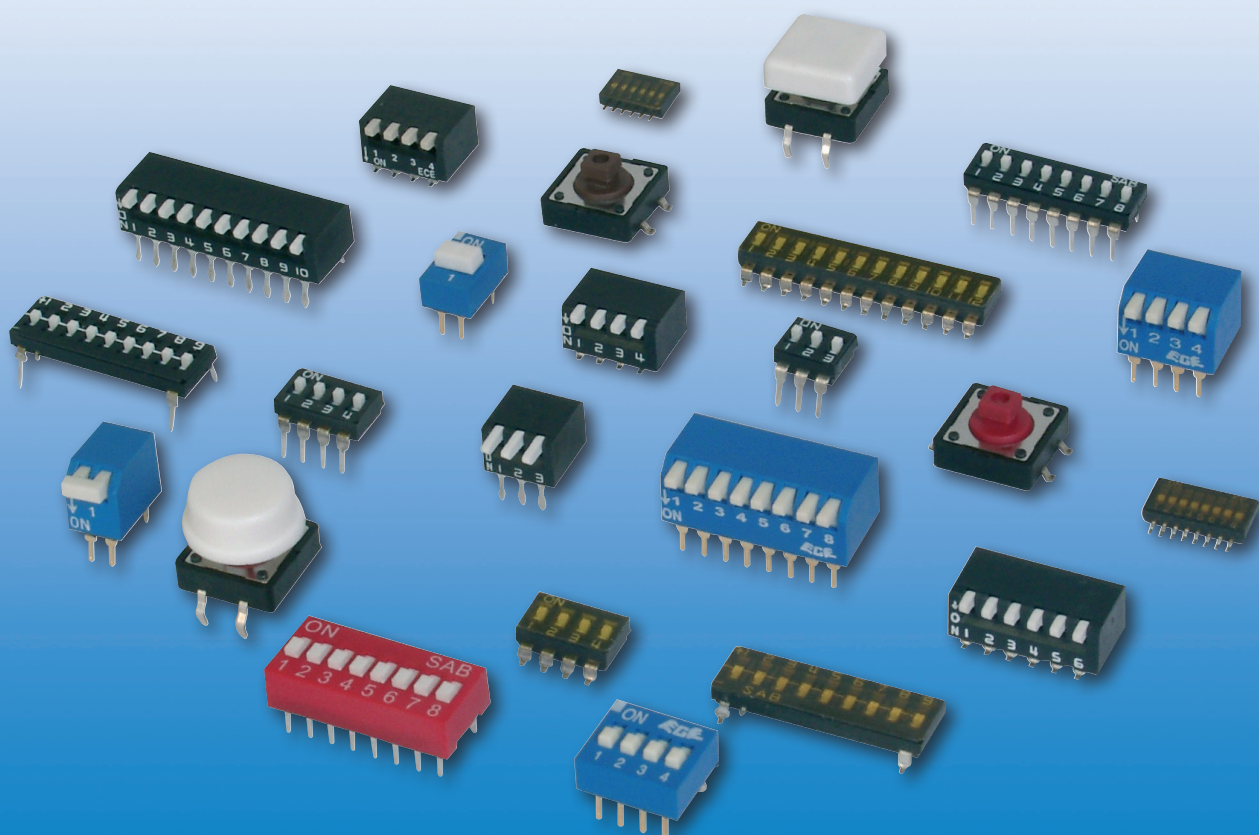


ASSMANN WSW components bietet ein reichhaltiges Sortiment an Standard-Schaltern in der Piano- und IC-Bauform an. Schalter stellen eine kleine Baugruppe dar, die es erlaubt eine elektrisch leitende Verbindung herzustellen oder zu trennen. Gängig sind hierbei die THT- und SMD -Ausführungen im Raster 2,54mm. Polzahlen liegen zwischen 02 und 12 polig. Der Miniaturisierung wird durch eine Serie von SMD -Schaltern im Raster 1,27mm Rechnung getragen. SMD Schalter werden in der automatenverarbeitbaren Tape und Reel - Verpackung angeboten.

ASSMANN WSW components bietet weiter die Möglichkeit Sonderausführungen in Farbe und Bestückung zu beziehen.

ASSMANN WSW components offers a full range of standard switches based on the 'Piano' and 'IC' style. Switches work like a small module, which allows the user to make or cut an electrical connection. Commonly used are THT- and SMD-contact styles based on 2.54mm pitch. Available number of contacts are between 02 and 12 contacts. The trend of miniaturization has been followed by a new series of SMD switches based on 1.27mm pitch. These SMT switches are available in tape and reel packaging for automatic pick and place.

Furthermore, ASSMANN WSW components offers special designs in colour and contact loading.

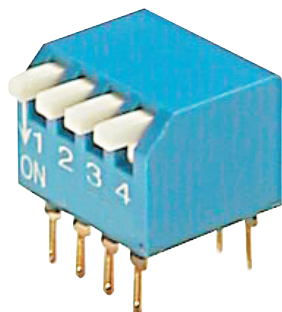


Produktbeschreibung	Seite
Schiebeschalter, Piano-Bauform, DIP	150
Schiebeschalter, Piano-Bauform, SMD	151
Schiebeschalter, hohe Bauform, DIP	152
Schiebeschalter, flache Bauform, DIP	153
Schiebeschalter, flache Bauform, SMD	154
Schiebeschalter, halbes Raster, SMD	155
Schiebeschalter, TRI-STATE, DIP	158
Schiebeschalter, Single-in-line, horizontal	159
Schiebeschalter, Single-in-line, vertikal	160
Notizen	161

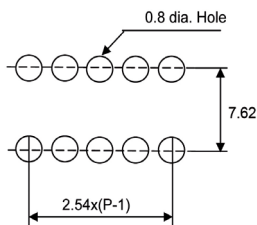
Product description	page
Slide switch, piano style, DIP	150
Slide switch, piano style, SMD	151
Slide switch, high profile, DIP	152
Slide switch, low profile, DIP	153
Slide switch, low profile , SMD	154
Slide switch, half pitch, SMD	155
Slide switch, TRI-STATE, DIP	158
Slide switch, Single-in-line, horizontal	159
Slide switch, Single-in-line, vertical	160
Notes	161



D-Sub / D-Sub Hauben / Centronics
Multiflex - DIN 41651
Modular
USB IEEE 1394
Schalter
Einbaustecker Einbaubuchsen
DIN 41612 DIN 41617 Hard Metric
MiniDIN
Stiftleisten Buchsenleisten Sockel / Jumper
Klemmleisten
Speicherkarten Steckverbinder
FFC / FPC
Micro- Miniature



Dimensions	
No. of contacts	A
2	6.7
3	9.2
4	11.7
5	14.2
6	16.7
7	19.2
8	21.7
10	26.7



Isolierkörpermaterial
PPS, UL94V-0

Kontaktmaterial
Phosphorbronze

Kontaktfläche
Ni, Au

Kontaktwiderstand
100mΩ max

Isolationswiderstand
1000MΩ min

Strombelastbarkeit
Schaltend
25mA
In Ruhe
100mA

Betriebstemperatur
-25°C - +70°C

Betriebsspannung
24V DC

Prüfspannung
500V AC

Schiebekraft
800g max

Verpackung
Stangenverpackung

Insulator material
PPS, UL94V-0

Contact material
Phosphor bronze

Plating
Ni, Au

Contact resistance
100mΩ max

Insulation resistance
1000MΩ min

Current rating
Switching
25mA
Non-switching
100mA

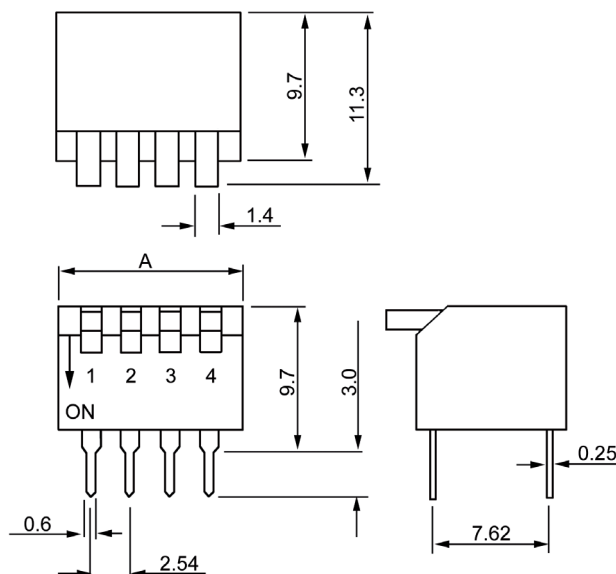
Operating temperature
-25°C - +70°C

Operating voltage
24V DC

Test voltage
500V AC

Operating force
800g max

Packing
Tube packing



Bestellcode / Ordercode

Polzahl

02 / 03 / 04* / 05 / 06* /
07 / 08* / 10*

No. of contacts

02 / 03 / 04* / 05 / 06* /
07 / 08* / 10*

AD - EPG 1 xx A

Bitte „x“ durch die geeignete Option ersetzen
Please replace „x“ with appropriate option

* Standard
* Standard

Isolierkörpermaterial

PBT, UL94V-0

Kontaktmaterial

Phosphorbronze

Kontaktoberfläche

Ni, Au

Kontaktwiderstand

100mΩ max

Isolationswiderstand

1000MΩ min

Strombelastbarkeit

Schaltend

25mA

In Ruhe

100mA

Betriebstemperatur

-25°C - +70°C

Betriebsspannung

24V DC

Prüfspannung

500V AC

Schiebekraft

800g max

Verpackung

Stangenverpackung

Insulator material

PBT, UL94V-0

Contact material

Phosphor bronze

Plating

Ni, Au

Contact resistance

100mΩ max

Insulation resistance

1000MΩ min

Current rating

Switching

25mA

Non-switching

100mA

Operating temperature

-25°C - +70°C

Operating voltage

24V DC

Test voltage

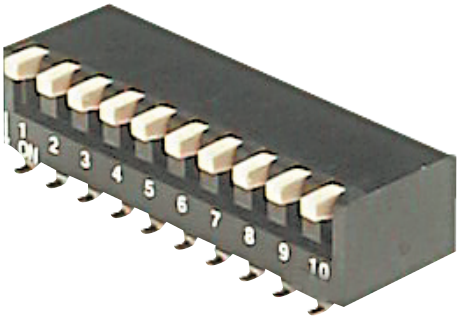
500V AC

Operating force

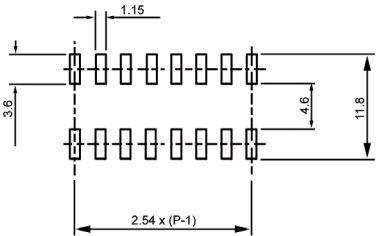
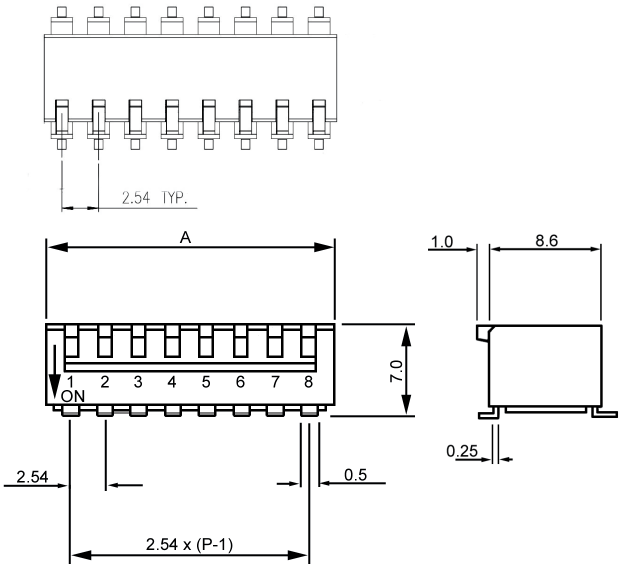
800g max

Packing

Tube packing



Dimensions	
No. of contacts	A
2	6.5
3	9.0
4	11.6
5	14.1
6	16.7
7	19.2
8	21.7
10	26.7



Bestellcode / Ordercode

Polzahl

No. of contacts

02 / 03 / 04 / 05 / 06 / 07 / 08 /
10

02 / 03 / 04 / 05 / 06 / 07 / 08 /
10

AD - EPD x

Bitte „x“ durch die geeignete Option ersetzen
Please replace „x“ with appropriate option

D-Sub /
D-Sub Hauben /
Centronics

Multiflex -
DIN 41651

Modular

USB
IEEE 1394

Schalter

Einbaustecker
Einbaubuchsen

DIN 41612
DIN 41617
Hard Metric

MiniDIN

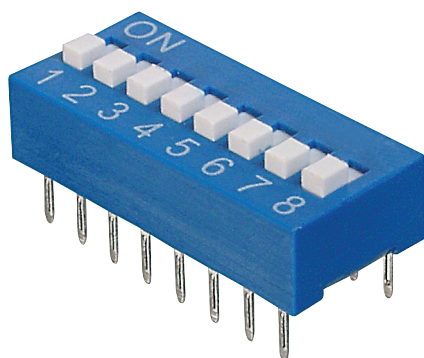
Stiftleisten
Buchsenleisten
Sockel / Jumper

Klemmleisten

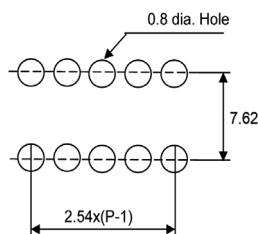
Speicherkarten
Steckverbinder

FFC / FPC

Micro-
Miniature



Dimensions	
No. of contacts	A
2	6.08
3	8.62
4	11.16
5	13.70
6	16.24
7	18.78
8	21.32
10	26.40



Isolierkörpermaterial
PBT, UL94V-0

Kontaktmaterial
Messing

Kontaktoberfläche
Ni, Au / Sn

Kontaktwiderstand
100mΩ max

Isolationswiderstand
100MΩ min

Strombelastbarkeit
Schaltend
25mA
In Ruhe
100mA

Betriebstemperatur
-40°C - +85°C

Betriebsspannung
24V DC

Prüfspannung
500V AC

Schiebekraft
1000g max

Verpackung
Stangenverpackung

Insulator material
PBT, UL94V-0

Contact material
Brass

Plating
Ni, Au / Sn

Contact resistance
100mΩ max

Insulation resistance
100MΩ min

Current rating
Switching
25mA
Non-switching
100mA

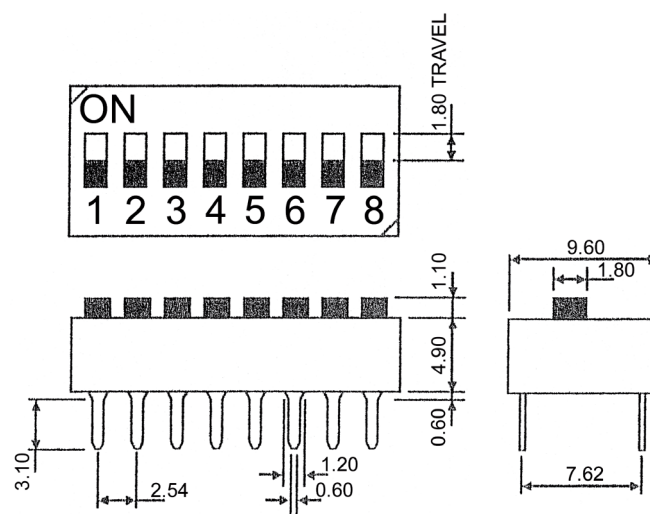
Operating temperature
-40°C - +85°C

Operating voltage
24V DC

Test voltage
500V AC

Operating force
1000g max

Packing
Tube packing



Bestellcode / Ordercode

Polzahl

02 / 03 / 04 / 05 / 06 / 07 / 08 /
10

No. of contacts

02 / 03 / 04 / 05 / 06 / 07 / 08 /
10

AD - DIL - SW / xx - N

Bitte „x“ durch die geeignete Option ersetzen
Please replace „x“ with appropriate option

* Standard
* Standard

Schiebeschalter, flache Bauform, DIP
Slide switch, low profile, DIP

Isolierkörpermaterial
PPS, UL94V-0

Kontaktmaterial
Messing

Kontaktoberfläche
Ni, Au / Sn

Kontaktwiderstand
100mΩ max

Isolationswiderstand
1000MΩ min

Strombelastbarkeit
Schaltend
25mA
In Ruhe
100mA

Betriebstemperatur
-40°C - +85°C

Betriebsspannung
24V DC

Prüfspannung
1000V AC

Schiebekraft
800g max

Verpackung
Stangenverpackung

Insulator material
PPS, UL94V-0

Contact material
Brass

Plating
Ni, Au / Sn

Contact resistance
100mΩ max

Insulation resistance
1000MΩ min

Current rating
Switching
25mA
Non-switching
100mA

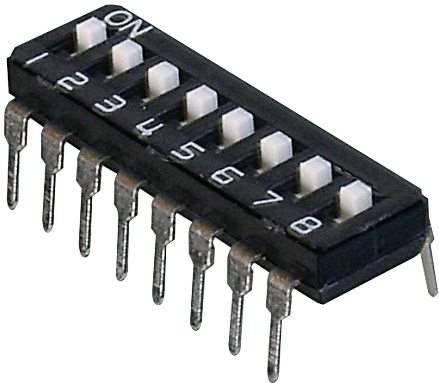
Operating temperature
-40°C - +85°C

Operating voltage
24V DC

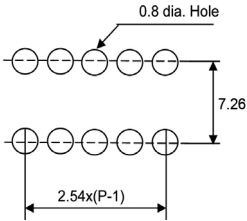
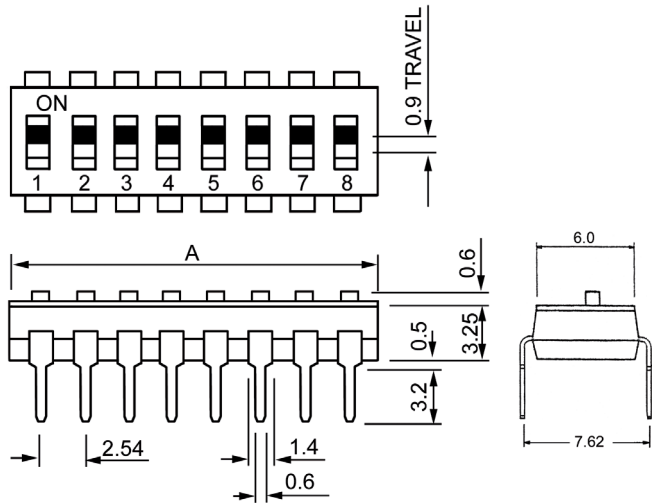
Test voltage
1000V AC

Operating force
800g max

Packing
Tube packing



Dimensions	
No. of contacts	A
2	5.08
3	7.62
4	10.90
5	13.44
6	15.98
7	18.52
8	21.06
9	23.60
10	26.14
12	31.22



Bestellcode / Ordercode

Ausführung
H - Hoher Schalthebel
F - Versenkter Schalthebel

Version
H - Raise actuator
F - Flat profile actuator

Polzahl
02 / 03 / 04 / 05 / 06 /
07 / 08 / 09 / 10 / 12

No. of contacts
02 / 03 / 04 / 05 / 06 /
07 / 08 / 09 / 10 / 12

Oberfläche
G - Vergoldet

Finish
G - Gold plated

Automaten-Bestückungstyp
auf Anfrage

Automatic assembly on request

A - DIL - x xx G

Bitte „x“ durch die geeignete Option ersetzen
Please replace „x“ with appropriate option

D-Sub /
D-Sub Hauben /
Centronics

Multiflex -
DIN 41651

Modular

USB
IEEE 1394

Schalter

Einbaustecker
Einbaubuchsen

DIN 41612
DIN 41617
Hard Metric

MiniDIN

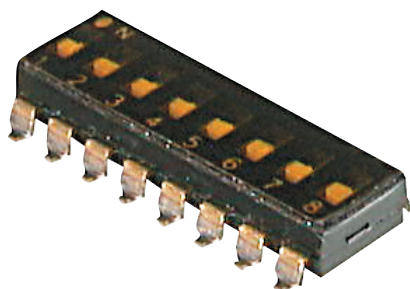
Stiftleisten
Buchsenleisten
Sockel / Jumper

Klemmleisten

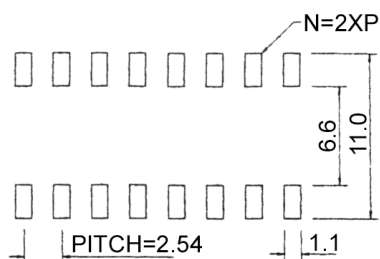
Speicherkarten
Steckverbinder

FFC / FPC

Micro-
Miniature



Dimensions	
No. of contacts	A
2	5.52
4	10.60
6	15.98
8	20.76
10	25.84
12	30.92



Isolierkörpermaterial
PPS, UL94V-0

Kontaktmaterial
Messing

Kontaktoberfläche
Ni, Au / Sn

Kontaktwiderstand
100mΩ max

Isolationswiderstand
100MΩ min

Strombelastbarkeit
Schaltend
25mA
In Ruhe
100mA

Betriebstemperatur
-40°C - +85°C

Betriebsspannung
24V DC

Prüfspannung
500V AC

Schiebekraft
1000g max

Verpackung
Rollenverpackung

Insulator material
PPS UL94V-0

Contact material
Brass

Plating
Ni, Au / Sn

Contact resistance
100mΩ max

Insulation resistance
100MΩ min

Current rating
Switching
25mA
Non-switching
100mA

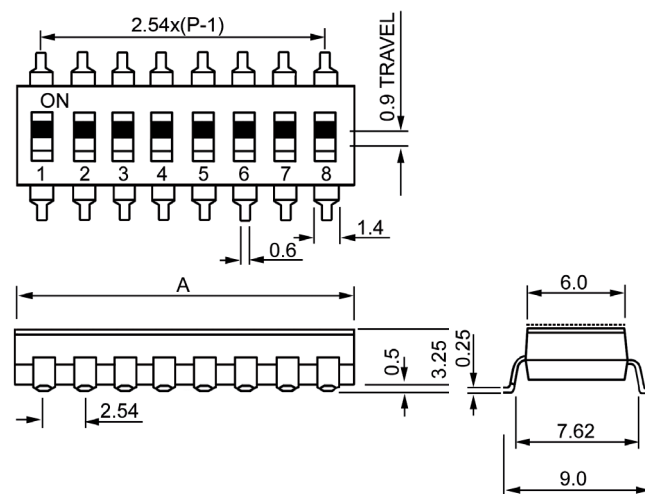
Operating temperature
-40°C - +85°C

Operating voltage
24V DC

Test voltage
500V AC

Operating force
1000g max

Packing
Reel packing



Bestellcode / Ordercode

F - Versenkter Schalthebel

F - Flat profile actuator

Polzahl
02 / 04 / 06 / 08 /
10 / 12

No. of contacts
02 / 04 / 06 / 08 /
10 / 12

Oberfläche
G - Vergoldet

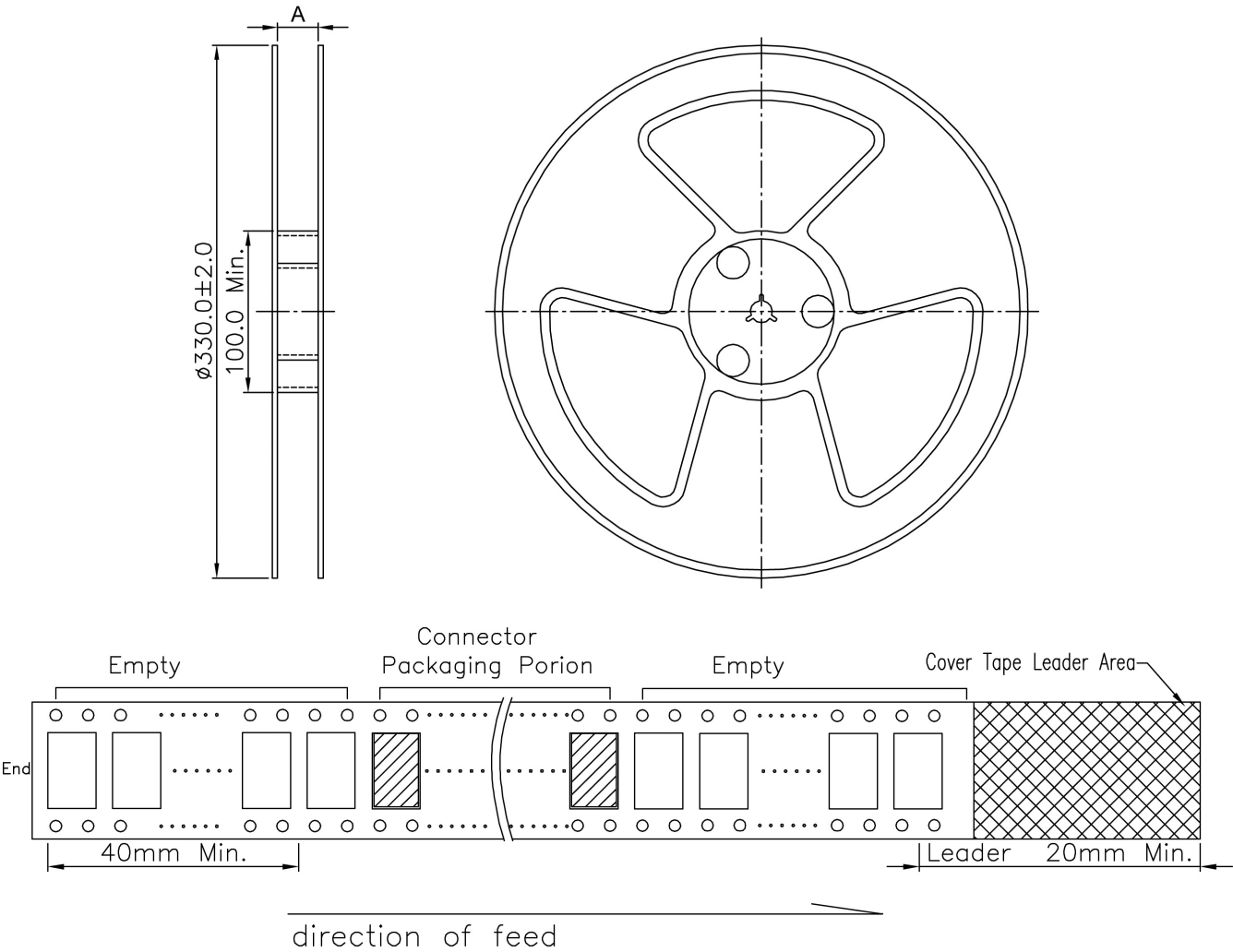
Finish
G - Gold plated

A - **DIL** - **F** - **xx** - **G** - **SM** - **T**

Bitte „x“ durch die geeignete Option ersetzen
Please replace „x“ with appropriate option

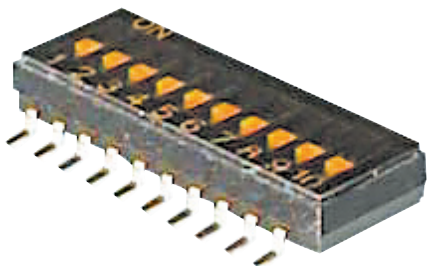
Verpackung entspricht
EIA-481-C.

Packing according to
EIA-481-C.

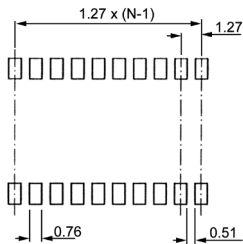


No. of contacts	A	Qty per Reel
2	16	1500
4 - 6	24	800
8	32	800
10 -12	44	800

- D-Sub / D-Sub Hauben / Centronics
- Multiflex - DIN 41651
- Modular
- USB IEEE 1394
- Schalter
- Einbaustecker Einbaubuchsen
- DIN 41612 DIN 41617 Hard Metric
- MiniDIN
- Stiftleisten Buchsenleisten Sockel / Jumper
- Klemmleisten
- Speicherkarten Steckverbinder
- FFC / FPC
- Micro-Miniature

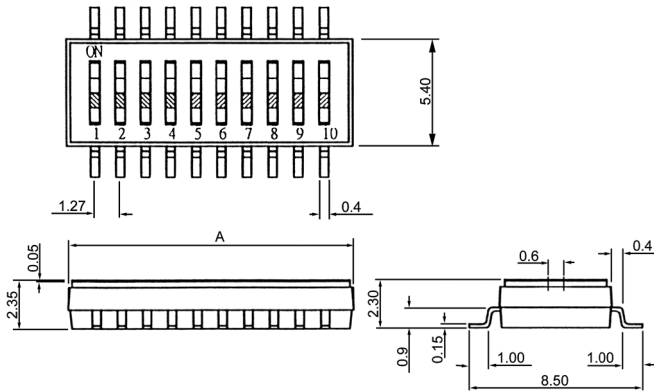


Dimensions	
No. of contacts	A
2	4.12
4	6.66
6	9.20
8	11.74
10	14.28



Isolierkörpermaterial
PPS, UL94V-0
Kontaktmaterial
Messing
Kontaktoberfläche
Ni, Au
Kontaktwiderstand
50mΩ max
Isolationswiderstand
1000MΩ min
Strombelastbarkeit
Schaltend
25mA
In Ruhe
100mA
Betriebstemperatur
-30°C - +85°C
Betriebsspannung
24V DC
Prüfspannung
500V AC
Schiebekraft
500g max
Verpackung
Rollenverpackung

Insulator material
PPS, UL94V-0
Contact material
Brass
Plating
Ni, Au
Contact resistance
50mΩ max
Insulation resistance
1000MΩ min
Current rating
Switching
25mA
Non-switching
100mA
Operating temperature
-30°C - +85°C
Operating voltage
24V DC
Test voltage
500V AC
Operating force
500g max
Packing
Reel packing



Bestellcode / Ordercode

Polzahl
02 / 04 / 06 / 08 / 10

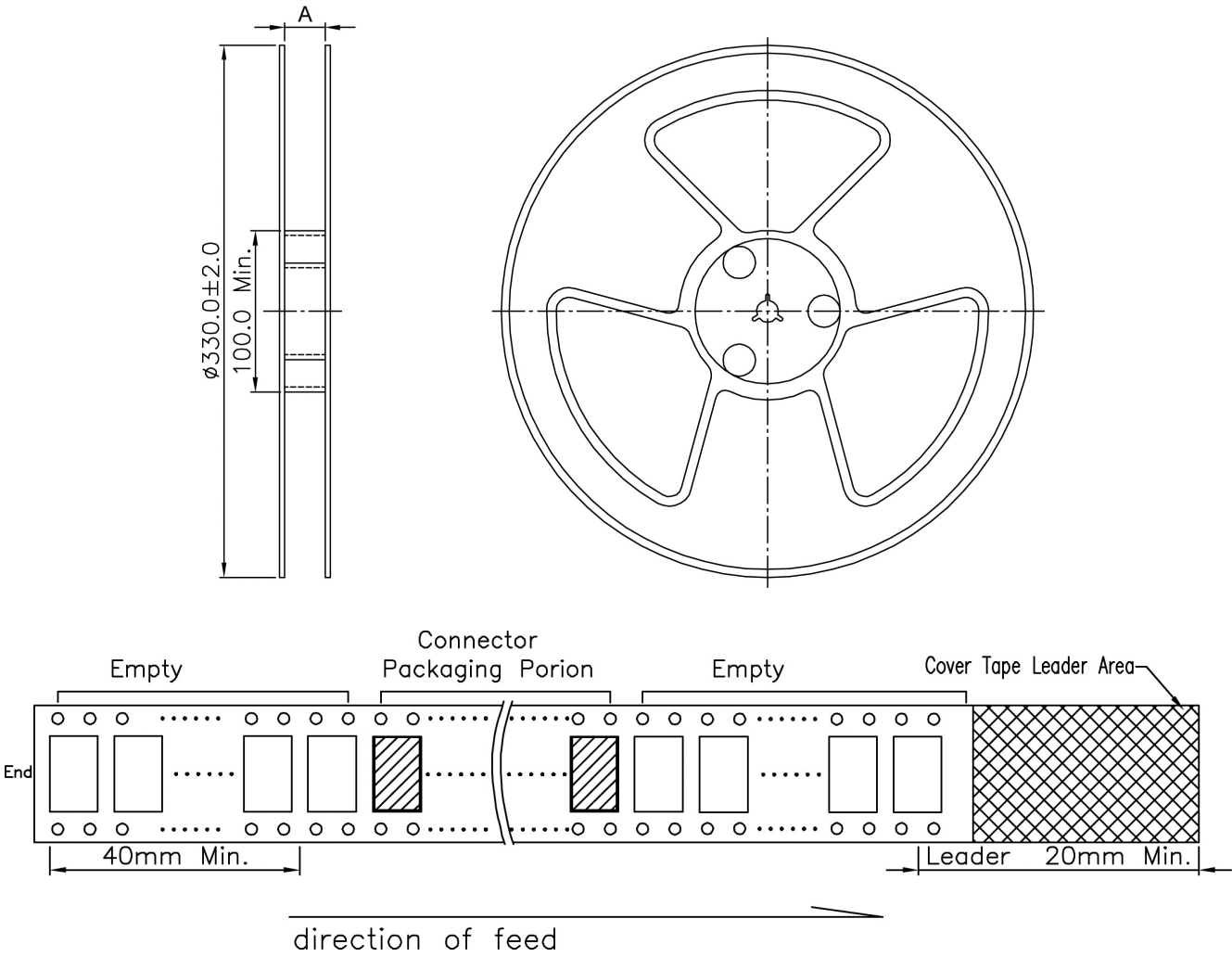
No. of contacts
02 / 04 / 06 / 08 / 10

A - DSHP - xx

Bitte „x“ durch die geeignete Option ersetzen
Please replace „x“ with appropriate option

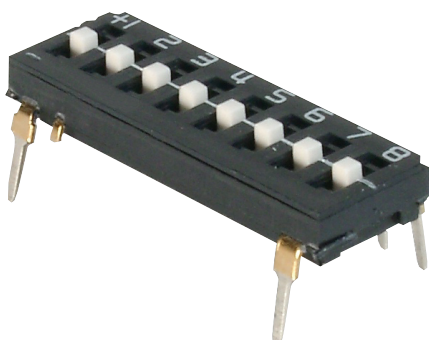
Verpackung entspricht
EIA-481-C.

Packing according to
EIA-481-C.

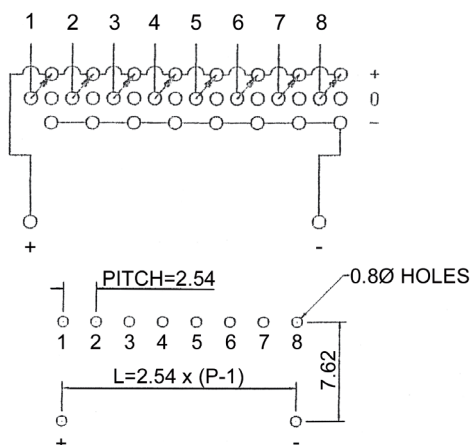


No. of contacts	A	Qty per Reel
2	16.5	3000
4	16.5	2000
6	16.5	2000
8	24.5	2000
10	24.5	2000

- D-Sub / D-Sub Hauben / Centronics
- Multiflex - DIN 41651
- Modular
- USB IEEE 1394
- Schalter
- Einbaustecker Einbaubuchsen
- DIN 41612 DIN 41617 Hard Metric
- MiniDIN
- Stiftleisten Buchsenleisten Sockel / Jumper
- Klemmleisten
- Speicherkarten Steckverbinder
- FFC / FPC
- Micro-Miniature



Dimensions	
No. of contacts	A
8	20.76
9	23.30
10	25.84
12	30.92



Isolierkörpermaterial
PPS, UL94V-0

Kontaktmaterial
Messing

Kontaktoberfläche
Ni, Au / Sn

Kontaktwiderstand
100mΩ max

Isolationswiderstand
1000MΩ min

Strombelastbarkeit
Schaltend
25mA
In Ruhe
100mA

Betriebstemperatur
-40°C - +85°C

Betriebsspannung
24V DC

Prüfspannung
500V AC

Schiebekraft
1000g max

Verpackung
Stangenverpackung

Insulator material
PPS, UL94V-0

Contact material
Brass

Plating
Ni, Au / Sn

Contact resistance
100mΩ max

Insulation resistance
1000MΩ min

Current rating
Switching
25mA
Non-switching
100mA

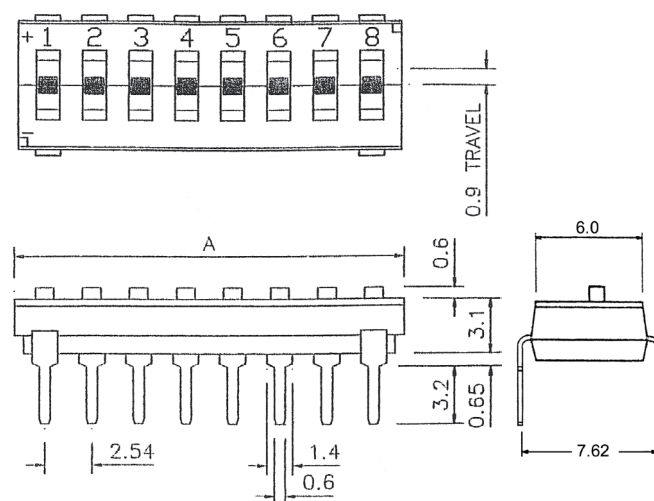
Operating temperature
-40°C - +85°C

Operating voltage
24V DC

Test voltage
500V AC

Operating force
1000g max

Packing
Tube packing



Bestellcode / Ordercode

H - Hoher Schalthebel

H - Raise actuator

Polzahl
08 / 09 / 10 / 12

No. of contacts
08 / 09 / 10 / 12

S - Vergoldet (selektiv)

S - Gold plated (selective)

A - TRI - H xx S

Bitte „x“ durch die geeignete Option ersetzen
Please replace „x“ with appropriate option

Schiebeschalter, Single-in-line, horizontal
Slide switch, Single-in-line, horizontal

Isolierkörpermaterial
PPS, UL94V-0

Kontaktmaterial
Messing

Kontaktoberfläche
Ni, Au

Kontaktwiderstand
100mΩ max

Isolationswiderstand
100MΩ min

Strombelastbarkeit
Schaltend
25mA
In Ruhe
100mA

Betriebstemperatur
-40°C - +85°C

Betriebsspannung
24V DC

Prüfspannung
500V AC

Verpackung
Stangenverpackung /
Rollenverpackung

Insulator material
PPS, UL94V-0

Contact material
brass

Plating
Ni, Au

Contact resistance
100mΩ max

Insulation resistance
100MΩ min

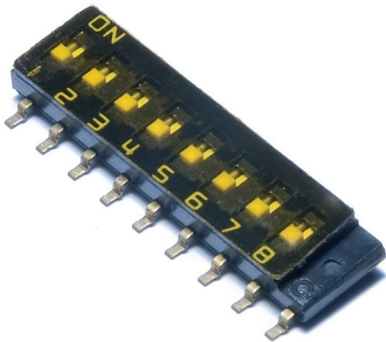
Current rating
Switching
25mA
Non-switching
100mA

Operating temperature
-40°C - +85°C

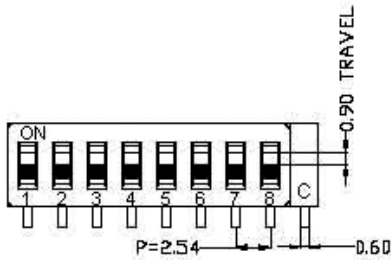
Operating voltage
24V DC

Test voltage
500V AC

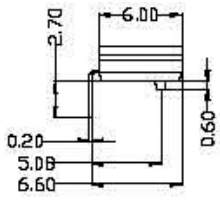
Packing
Tube packing /
Reel packing



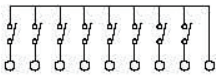
Dimensions	
No. of contacts	A
4	12.60
6	17.68
8	22.76
10	27.84
12	32.92



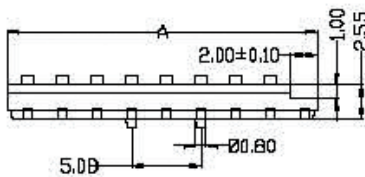
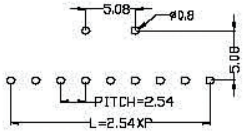
THT Type



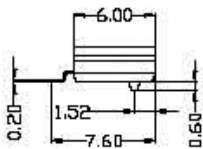
WIRING DIAGRAM



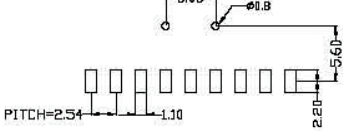
THT



SMD Type



SMD



Bestellcode / Ordercode

L - Versenkter Schaltebel

L - Flat profile actuator

Polzahl
04 / 06 / 08 / 10 / 12

No of contacts
04 / 06 / 08 / 10 / 12

Oberfläche
G - Vergoldet

Finish
G - Gold plated

Ausführung
SM - SMD
_ - THT

Version
SM - SMD
_ - THT

A - SIL - L - xx - G - x

Bitte „x“ durch die geeignete Option ersetzen
Please replace „x“ with appropriate option

D-Sub /
D-Sub Hauben /
Centronics

Multiflex -
DIN 41651

Modular

USB
IEEE 1394

Schalter

Einbaustecker
Einbaubuchsen

DIN 41612
DIN 41617
Hard Metric

MiniDIN

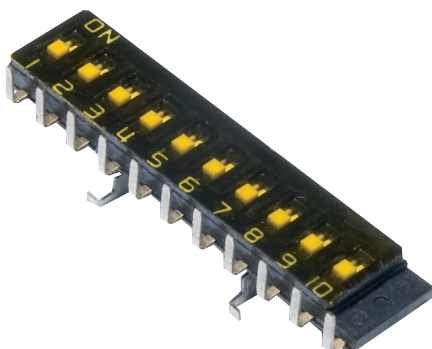
Stiftleisten
Buchsenleisten
Sockel / Jumper

Klemmleisten

Speicherkarten
Steckverbinder

FFC / FPC

Micro-
Miniature



Isolierkörpermaterial
PPS, UL94V-0

Kontaktmaterial
Messing

Kontaktfläche
Ni, Au

Kontaktwiderstand
100mΩ max

Isolationswiderstand
100MΩ min

Strombelastbarkeit
Schaltend
25mA
In Ruhe
100mA

Betriebstemperatur
-40°C - +85°C

Betriebsspannung
24V DC

Prüfspannung
500V AC

Verpackung
Stangenverpackung

Insulator material
PPS, UL94V-0

Contact material
brass

Plating
Ni, Au

Contact resistance
100mΩ max

Insulation resistance
100MΩ min

Current rating
Switching
25mA
Non-switching
100mA

Operating temperature
-40°C - +85°C

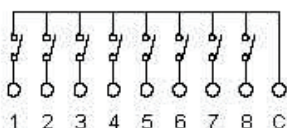
Operating voltage
24V DC

Test voltage
500V AC

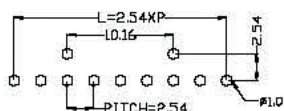
Packing
Tube packing

Dimensions	
No. of contacts	A
4	12.60
6	17.68
8	22.76
10	27.84
12	32.92

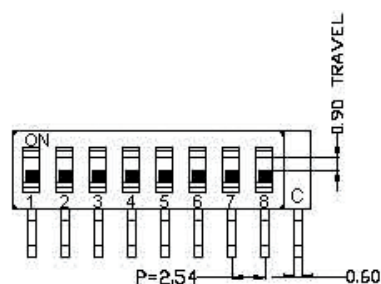
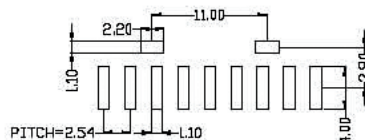
WIRING DIAGRAM



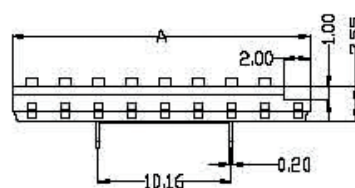
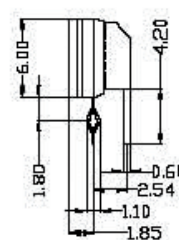
THT



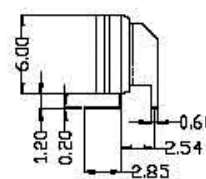
SMD



H Type



SMH Type



Bestellcode / Ordercode

L - Versenkter Schalthebel

L - Flat profile actuator

Polzahl
04 / 06 / 08 / 10 / 12

No of contacts
04 / 06 / 08 / 10 / 12

Oberfläche
G - Vergoldet

Finish
G - Gold plated

Ausführung
SMH - SMD mit Halter
H - THT mit Halter
_ - THT

Version
SMH - SMD with holder
H - THT with holder
_ - THT

A - SIH - L - xx - G - x

Bitte „x“ durch die geeignete Option ersetzen
Please replace „x“ with appropriate option

Micro-Miniature