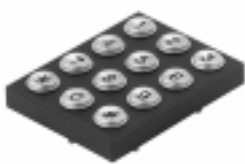


keypads AVLE, AVSE

front protection IP 67



recommended accessories:

-

	marking	electrical switching	materials of contacts	colour of key	colour of marking	part no.	technical drawing	mounting dimension	components layout
keypads AVLE, AVSE anti-pull off metal keys for internal/external use	12 (telephone)	matrix	gold plated/Au	aluminium	illuminated, yellow	AVLE.12150.24	1	1	1
					black	AVLE.12150.20	1	1	1
			stainless steel/Au	aluminium	black	AVSE.12150.20	1	1	1
	16 (hexadecimal II)	matrix	gold plated/Au	aluminium	illuminated, yellow	AVLE.16250.24	2	1	2
					black	AVLE.16250.20	2	1	2
			stainless steel/Au	aluminium	black	AVSE.16250.20	2	1	2

technical drawing as of page AVLE, AVSE.3, mounting dimensions, components layouts as of page AVLE, AVSE.4

AVLE, AVSE

electrical characteristics

- compatibility
CMOS/TTL: 5 V - 1 mA
- contact power rating
1 W
- contact resistance
AVSE: < 200 Ω,
AVLE: < 200 mΩ
- current
nominal: 50 mA,
minimum: 1 mA
- ESD protection
5000 V
- insulation resistance
at 100 Vcc: > 1000 MΩ
- life time
at nominal rating: > 10⁶ operations
- voltage
nominal: 24 V,
maximum: 50 V,
minimum: AVLE: 10 mV, AVSE: 5 V

mechanical characteristics

- actuating force
AVLE: 5 N +/- 30%,
AVSE: 3,6 N +/- 30%
- actuating travel
AVLE: 0,7 mm +/- 0,3,
AVSE: 0,55 mm +/- 0,1
- contacts
AVLE: Au/Au,
AVSE: stainless steel/Au
- marking height
5,5 mm
- resistance to shock
(IEC 512-4) AVLE: 100 g
- resistance to vibrations
(IEC 512-4) AVLE: 2000 Hz/10 Hz
1,5 mm amplitude/10 g
- shaking resistance
(IEC 512-4)AVLE: 40 g/1000 Hz

climatic characteristics

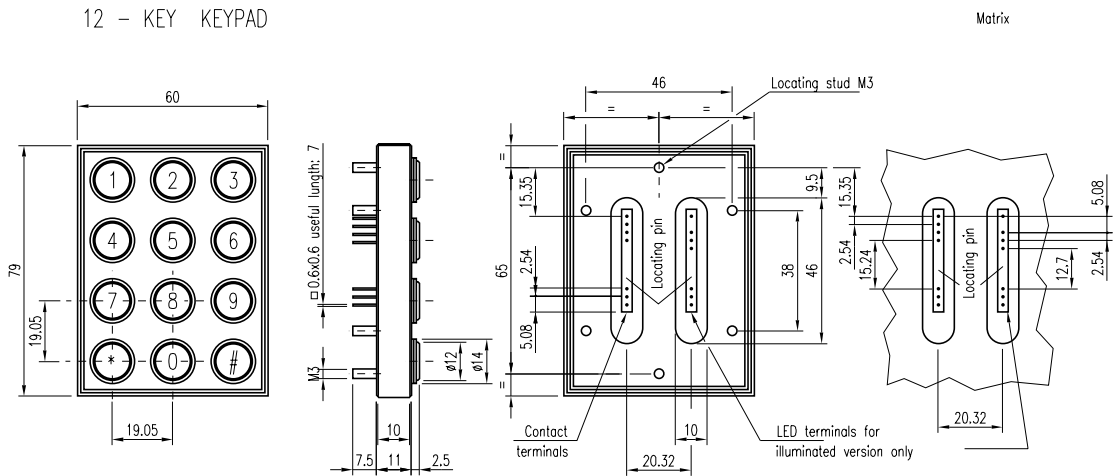
- damp heat
(IEC 512-6) 21 days
- saline mist
(IEC 512-6) AVLE: 48 hours
- sealing
when mounted (IEC 529) IP 67
- dry heat
at 85°C:
AVLE: 21 days, AVSE: 10 days

service temperature
-25°C + 85°C

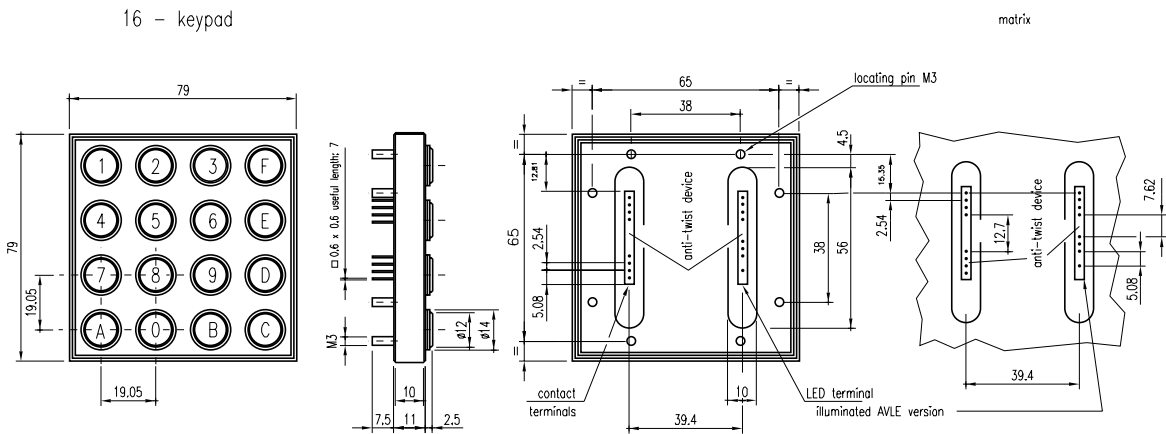
storage temperature
non-illuminated: -40°C +85°C,
illuminated: -30°C +85°C

Technical Drawing

1 keypads AVLE, AVSE
page AVLE, AVSE.1



2 keypads AVLE, AVSE
page AVLE, AVSE.1



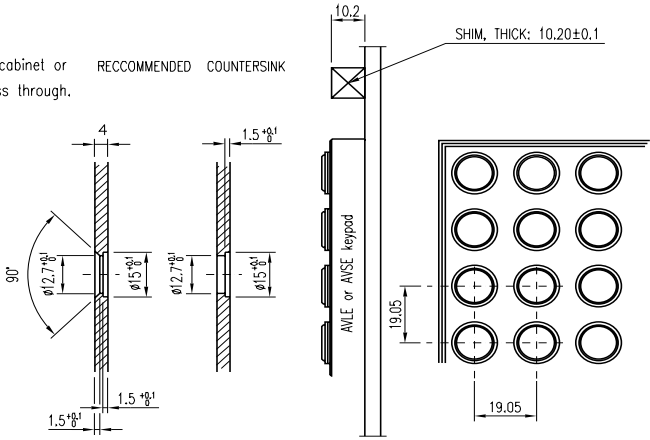
Mounting Dimension

1 keypads AVLE, AVSE
page AVLE, AVSE.1

ASSEMBLY BEHIND A FRONT PANEL

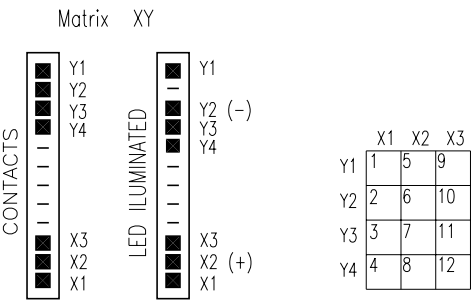
Keypads are mounted behind the front panel of a cabinet or sheet, where holes are cut out for the keys to pass through.

RECOMMENDED COUNTERSINK



Components Layouts

1 keypads AVLE, AVSE
page AVLE, AVSE.1
12 KEYS – CONNECTOR TERMINALS
(rear view)

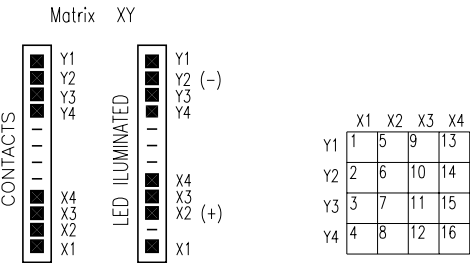


Connection by female connector HE 14
(not supplied)

2 keypads AVLE, AVSE

page AVLE, AVSE.1

16 KEYS – CONNECTOR TERMINALS
(rear view)



Connection by female connector HE 14
(not supplied)