

- 32 double-in-line soldering tags
- screw terminals 1.5mm<sup>2</sup>
- operating voltage up to 250V~(=)
- current passed through one connection 3A

**Application**

The MS32 connecting module is intended for screwed connection of individual conductors to the double-in-line soldering tags fitted onto printed circuit card. It is possible to solder the components as well as wire connections to the above-mentioned soldering tags. In addition, the module is suitable to use as the holder of components necessary for configuring of control circuits or other devices, eventually. Concerning its design, this module is intended to be mounted into electric switchboard cabinets, namely onto standard fixing-strip of 35 mm width.

**Description**

By means of printed circuit card, the module's terminals are connected to individual soldering tabs. The soldering tabs are double-in-line type with the distance 35 mm between them. The soldering tags' spacing (5 mm) corresponds to the one of connecting clamps. So, using the standard configuration, up to 16 components may be fixed (soldered) onto the soldering tags. The soldering tags are equipped with opening and notch, enabling fixation of component's tag when soldered. The soldering tag is made of brass, tin-plated. The maximum soldering temperature is 250°C for maximum period of 5 seconds!

The connecting modules may be assembled alongside onto standard fixing strip, but there must be sufficient space above and below for conductors outlet.

When applied, it is necessary to check the power loss of the components fixed onto connecting module. The power loss of particular component should not exceed 15 W; the total power loss of all components mounted on the connecting module must not exceed 30 W. At the same time, it is a good idea not to fix the components having big power loss alongside thermal-dependent components, because the function of the whole equipment may be adversely influenced.

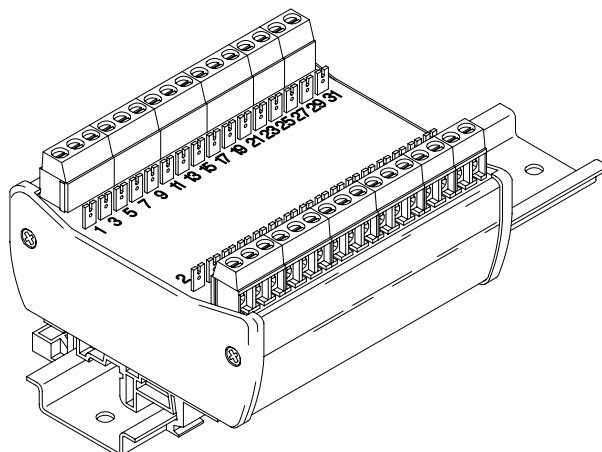
Concerning design, the connecting module is printed-circuit-card type, fixed into plastic box. The terminal clamps and soldering tags are mounted onto the printed-circuit card.

**Attention!** The construction's electric protection is IP00.

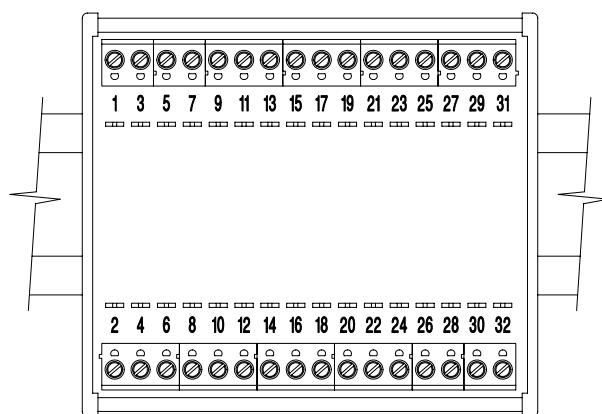
**Absolute maximum ratings**

Maximum voltage ..... 300V~(=)  
 Maximum current (passing through one connection) ..... 3A  
 Maximum power loss of single component ..... 15W  
 Total maximum power loss (all components) ..... 30W  
 Operational temperature range ..... -20°C to +50°C  
 Storage temperature range ..... -30°C to +80°C

**Connecting module MS32**



**Connecting terminals**



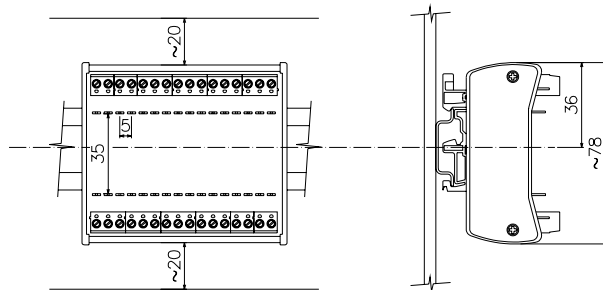
- 1** connecting to soldering tag ,1'
- 2** connecting to soldering tag ,2'
- .** .
- .** .
- 32** connecting to soldering tag ,32'

**Parameters**

Operational voltage .....	up to 250V~(=)
Operational current (passing through one connection) .....	up to 2A
Power loss of single component on the module .....	up to 10W
Power loss of all components on the module .....	up to 20W
Distance between sets of soldering tags .....	35mm
Spacing of soldering tags .....	5mm
Terminals .....	screwed, for cables 0.05 to 1.5mm <sup>2</sup>
Degree of protection .....	IP00
Dimensions (W×H×L) .....	78×55×86mm
Assembling position .....	vertical
Weight .....	0.15kg
Operating conditions .....	normal, no mechanical dirt
.....	no corrosive vapours/gases
.....	relative humidity 20 to 80%
.....	absolute humidity up to 40g/m <sup>3</sup>
.....	barometric pressure 75 to 125kPa

**Assembly**

Connecting module MS32 will be assembled onto standard fixing-strip of 35 mm width as follows: at first, the bottom part of the hooks of plastic box will be applied onto the strip and pressed upwards, so that the latches will snap. Then it will be moved into desired position and the connectors will be plugged into terminals. For dismantling, it is necessary proceed as follows: at first, the connector needs to be disconnected. Then, using a screwdriver the latches will be released, namely by pulling the lugs placed on the top of the holders. In the standard configuration, it is possible to connect (to solder) up to 16 components to the soldering tags. The soldering tags are equipped with opening and notch, enabling fixation of component's tag when soldered. The maximum soldering temperature is 250°C for maximum duration of 5 seconds!



**Caution**

Before connecting/switching-on the module read this catalogue sheet carefully. In case of any doubt, please contact your local dealer or the producer.

For the connecting module MS32, neither handling nor maintenance is necessary. The producer performs the reparations; whichever intervention into module's electric circuits results into void of all warranties.

Should the module be damaged due to transport or other influences, don't connect/switch on the module!

The module must be disconnected from voltage before starting any work on module's terminals!

The module's construction ensures only IP00 protection. Should be connected components with dangerous voltage, it is necessary to use protective cover against dangerous contact (two side-plates SCFCV4 plus cover CPV4). The delivery doesn't include these parts; it is necessary to order these parts separately.

When used the protective cover against dangerous contact, the cooling of component fixed onto module will deteriorate; it is necessary to reduce allowed power loss to 50%.

Should be the product used in a manner contradictory to producer's recommendations, the protection against electric shock and/or fire may be disturbed!

**Others**

This catalogue sheet also serves as accompanying document for connecting module MS32.

The data contained in this catalogue sheet only describes the product's characteristics without ensure it. NEWTE undertakes no responsibility for wrong using of this catalogue sheet.

Considering the developing of each product, it is possible that there will be some improvements that cannot be included in this catalogue sheet. NEWTE retains the right anytime to modify and to improve described product without previous notice.

The technical suggestions and schemes included in this catalogue sheet express briefly the main purpose. The user has to judge separately the applicability for all individual cases. The modules stated in this description are in industrial terminology designated as "devices". Nevertheless, these aren't devices or machines capable to be directly used or to be directly connected to the electric network, but these are the components. The final function of such components is set when these are integrated into user's construction. Concerning conformity of such construction with existing legal rules, the responsibility for this fully rests on the user.

This instruction doesn't needs to be complete and error-free. In case of any doubt, please contact your local dealer or producer.