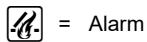


## Option PK (Version PKM 1a)

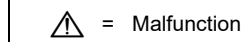
### Installation and Operation Instructions - Version 1/18

**Please read these instructions carefully and completely.  
Only qualified personnel may conduct work on the module!  
Before starting any work, it is mandatory to deflect static charge!**

Symbols used:



= Alarm



= Malfunction


### 1 Concept

- Module for installation in SHEVS Control Centres / Controls. For compatibility see: [www.kg-tectronic.de](http://www.kg-tectronic.de) (Electronics - Control Centres / Controls - Options)
- Potential-free contacts (PFC) to forward alarm and/or malfunction signals

### 2 Putting into service / putting out of service

We do not assume any guarantee or liability for defects caused by faulty connection.

#### 2.1 Installation / putting into service

 *Perform work on the module only in de-energised condition!*






- Put the SHEVS Control Centre / Control out of service as specified in the corresponding operating instructions to install the module. Snap the module to the designated place (see Layout diagram in the Operation Instructions of the SHEVS Control Centre / Control). Attach the flat ribbon cable and wire the module as specified in the enclosed connection diagram.
- Put the SHEVS Control Centre / Control back into service. The module is ready for operation.
- While putting into service, check the functions of the module (see Section 3).

#### 2.2 Putting out of service







- Putting out of service is as specified in the corresponding operating instructions of the SHEVS Control Centre / Control.

### 3 Functions, Operation and Maintenance

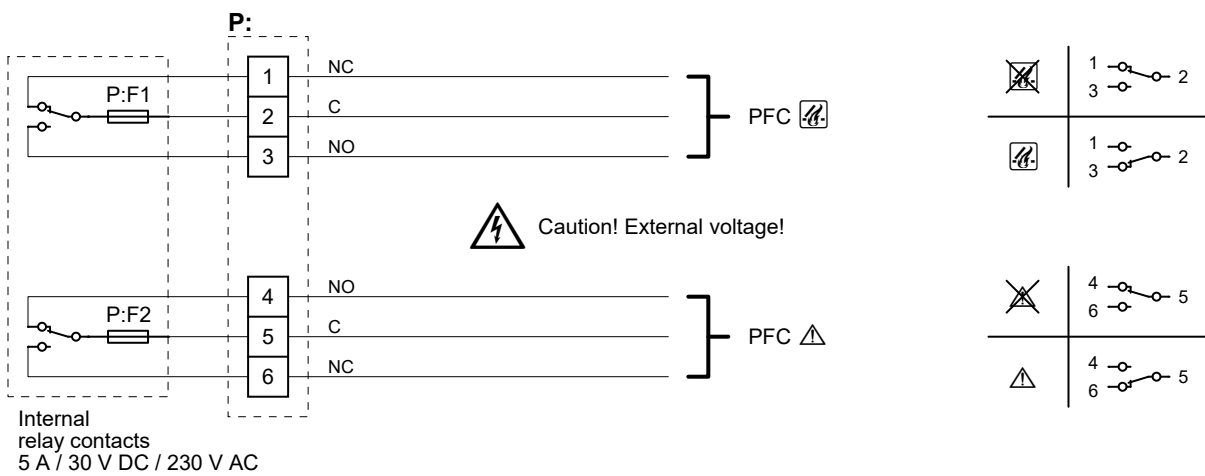
 *The contacts are not activated during maintenance mode.*

- **PFC** : The contact is activated if an alarm is detected. After resetting the alarm, the contact resets to its neutral position.
  -  *The contact is not activated in the case of test alarm (by pressing the button Test  in the SHEVS Control Centre / Control).*
  -  *In SHEVS Control Centres / Controls with enabled "2-detector-dependency" function, the contact is activated, as soon as the first automatic detector has responded.*
- **PFC malfunction** : The contact is activated when a malfunction of the SHEVS Control Centre / Control is detected. After eliminating the cause of malfunction, the contact resets to its neutral position.
- **Maintenance**: Check the functioning of the contacts during maintenance of the SHEVS Control Centre / Control once a year.

**4 Technical Data**

Type	<b>Option PK</b>
Part number	8101 0001 0001
Dimensions in mm (W x H x D)	51 x 58 x 43
Ambient temperature	-5 °C ... +40 °C
Relative humidity	20 % ... 80 %, non-condensing
Contact load rating PFC  , PFC  (changeover contacts)	5 A / 30 V $\overline{=}$ / 230 V $\sim$
Fuses PFC  , PFC  (miniature fuses 5 x 20 mm)	P:F1 (  ) , P:F2 (  ): F 5 A
For mounting position, see Layout diagram in the Operation Instructions of the SHEVS Control Centre / Control. Not suitable for outdoor use. Protect from direct sunlight, humidity and excessive formation of dust! Preferably, the installation should be carried out in dry, heated rooms.	
The requirements of Directives 2014/35/EU and 2014/30/EU are met. <b>CE</b>	

**5 Connection diagram**



**6 Layout diagram**

