

Deviating Operating Conditions Stack assembly with reduced distance



Solenoid coils **MKY45/18x60-...-L12-..**
 MKY45/18x60-...-L15-..
 (PTB 07 ATEX 1023)



II 2 G Ex d IIC T4
 II 2 D Ex tD A21 IP 65 T130 °C



Electromagnets heat-up in operation. The heating up is increased by additional heat influence. This occurs in case of stack assembly, here the adjacent solenoid coils act as an additional heat source. The influence can become so high that an ignition risk is produced due to hot surfaces.

MINIMUM PERMISSIBLE DISTANCE

A minimum distance in accordance with the table below can permit a safe operation, if the listed conditions are adhered to and if additionally taking into account the indications of the installation - and operating instructions for the solenoid coils MKY45/18-...-L. Installation position solenoid vertical, armature tube horizontal.

Centre distance armature tubes	50 mm
Voltage	110 % nominal voltage (d.h. 10 % over-voltage)
Duty cycle	100 %
Ambient temperature	-40 °C .. +55 °C
Centre distance armature tubes	50 mm
Voltage	100 % nominal voltage (i.e., no over-voltage)
Duty cycle	100 %
Ambient temperature	-40 °C .. +70 °C

Exclusion of Liability

The manufacturer Wandfluh AG, CH-3714 Frutigen, supplies solenoid coils MKY45/18x60-...-L... in a condition, which corresponds to the type testing process with indication of the foreseen installation - and operating conditions.

The manufacturer cannot be held liable for damage resulting from risks, which are caused by changes not on the manufacturer's side versus the supplied condition, or by non-observance of the installation - and operating conditions.

The operation and the certification for operation of solenoid coils are exclusively the responsibility of the operators and the certifying offices. This particularly is applicable, if the solenoid coils have been changed or if the solenoid coils are operated under conditions, which deviate from the operating instructions.