

CHARACTERISTICS

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|--------------------------------------|---|
| Coil winding isolation class | H |
| Protection class in acc. EN 60529 | IP65/67, with corresponding cable gland and correct installation |
| Relative duty factor | 100 % DF, combined with armature tube and valve |
| Reference temperature | Execution L9: -25...+40 °C (operation as T1...T6/T80 °C) -25...+90 °C (operation as T1...T4/T130 °C) Execution L15 / L12: -25...+70 °C (operation as T1...T4/T130 °C) Execution L 21: -25...+50 °C (operation as T1...T4/T130 °C) |
| Housing | Steel housing, zinc-/nickel-coated |
| Relative duty factor | max. 95 % (not dew-forming) |
| Corrosion protection | Salt spray test in accordance with EN ISO 9227 > = 400 hours |
| Maximum operating voltage | Nominal voltage +10 % |
| Nominal frequency | in acc. with name plate ±2 % |
| Standard nominal voltages | U _N = 12 VDC U _N = 24 VDC U _N = 115 VAC U _N = 230 VAC Other nominal voltages in the ranges of 12–230 VDC and 24–230 VAC on request |
| Standard nominal powers | P _N = 9 W P _N = 15 W P _N = 21 W |

| | 12 VDC | | | |
|--|----------|-----------|-----------|-----------|
| Nominal power (W) | 9 | 12 | 15 | 21 |
| Nominal resistance (Ω) | 16,5 | 13,5 | 9,9 | 7,1 |
| Recommended calculation voltage for fuse inserts (mA) | 1600 | 2000 | 2'500 | 4'000 |
| Limiting current (mA) (Proportional function) | 610 | 720 | 960 | 1'230 |

| | 24 VDC | | | |
|--|----------|-----------|-----------|-----------|
| Nominal power (W) | 9 | 12 | 15 | 21 |
| Nominal resistance (Ω) | 64 | 49,2 | 38,5 | 27,5 |
| Recommended calculation voltage for fuse inserts (mA) | 800 | 800 | 1'250 | 2'000 |
| Limiting current (mA) (Proportional function) | 300 | 370 | 450 | 600 |

| | 115 VAC | | | |
|--|----------|-----------|-----------|-----------|
| Nominal power (W) | 9 | 12 | 15 | 21 |
| Nominal resistance (Ω) | 1'180 | 869 | 700 | 500 |
| Recommended calculation voltage for fuse inserts (mA) | 200 | 200 | 315 | 400 |

| | 230 VAC | | | |
|--|----------|-----------|-----------|-----------|
| Nominal power (W) | 9 | 12 | 15 | 21 |
| Nominal resistance (Ω) | 4'750 | 3'370 | 2'850 | 2'050 |
| Recommended calculation voltage for fuse inserts (mA) | 100 | 100 | 160 | 200 |

OPERATION SECURITY


The solenoid coil must only be put into operation, if the requirements of the operating instructions supplied are observed to their full extent.

In case of non-observance, no liability can be assumed.

A corresponding fuse in accordance with its design current has to be connected in series as short-circuit protection for every solenoid coil..

INSTALLATION

For stack assembly please observe the remarks in the operating instructions.

ACCESSORIES

– The operating instructions incl. the EC declaration of conformity for solenoid coils of the type MKY45/18x60 is supplied in German, English and French (download under www.wandfluh.com)

– EC-type examination certificate: PTB 07 ATEX 1023
(download under www.wandfluh.com)

– EC-declaration of conformity
(download under www.wandfluh.com)

– Recognition of production quality assurance
PTB 07 ATEX Q006
(download under www.wandfluh.com)