

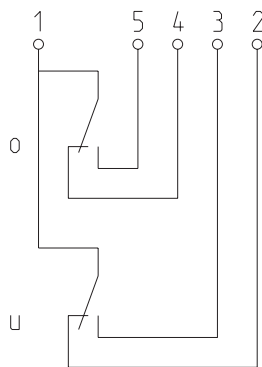
Float switch

Series Standard-Float switch

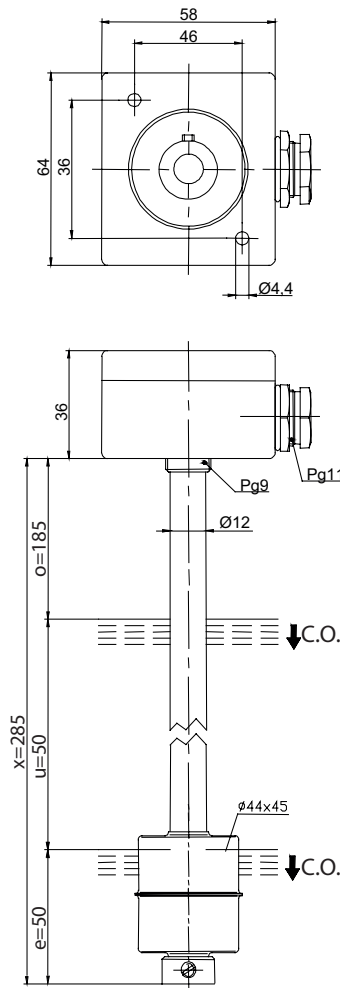
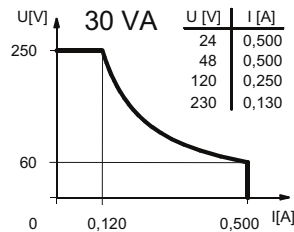
Description **MAN-723 KYS 0285**

Article number **6825180002**

Wiring diagram
(non-actuated state)



Performance diagram



Electrical data

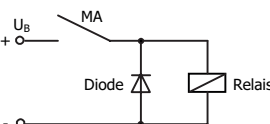
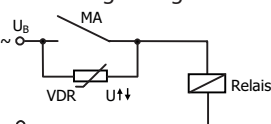
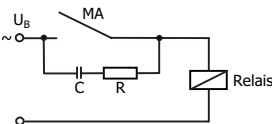
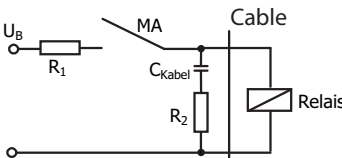
Rated voltage	U_r	250 V
max. switching current		0,5 A
max. switching capacity		30 VA
mechanical life		10^7 to 10^9 switches
Switching element		2 x C.O., falling level
Protection class		I

Mechanical data	
Enclosure material	GD-ALSi12 (3.2581.05)
Switching tube material	X6CrNiMoTi 17 122 (1.4571)
Float material	X6CrNiMoTi 17 122 (1.4571)
- density	about 0,7 g/cm ³ ±10 %
- depth of immersion	33 mm ± 2 mm (to a fluid-density of 1 g/cm ³)
Adjusting ring material	X6CrNiMoTi 17 122 (1.4571)
Gasket	NBR
Ambient air temperature	-5 °C to +60 °C
Liquid temperature	-5 °C to +60 °C
Connection	Terminal strip in the terminal box
Protection type	IP 65 acc to IEC529 / EN 60529
Max. pressure	10 bar

Standards
DIN EN 60947-5-1

EU Conformity
acc. to directive 2014/35/EU (Low-Voltage-Directive)

General details
Reproducibility of the switching points with the same geometric ratios ±0.05mm, referred to a switching device. The measures of the switching points refer to a fluid-density of 1 g/cm³. The tolerance of the switching points is ±2 mm Pay attention to the contact protection, when switching inductive or capacitive loads. Maximum data must not be exceeded!

Inductive loads
Direct current  Suppression of voltage peaks with a free-wheeling diode Alternating voltage  Suppression of voltage peaks with a VDR  Suppression of voltage peaks with an RC element
Capacitive loads and lamp loads
 Contact protection with resistors for limiting current 