

Mechanically operated Signal Devices TCR- series

Microswitches

The TCR- module with microswitches converts the end positions or middle position of the actuator into electrical signals.

The microswitch in the body is commonly used in cases where there are no special requirements or the working voltage should be set free.

The microswitch with its compact design is very suitable for mounting into the housing. When used as a potential free contact, the switch provides a very wide range of controlling possibilities.

The fully adjustable serrated cams are locked together to ensure that the adjusted setting is secured against vibration.

Also available with high vision beacon.



ADVANTAGES

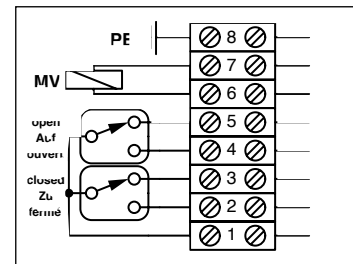
- „Open“ and „Closed“ position is easily adjusted by the switch cams.
- easy mounting by using screws with almost all components
- terminal block to connect solenoid valves

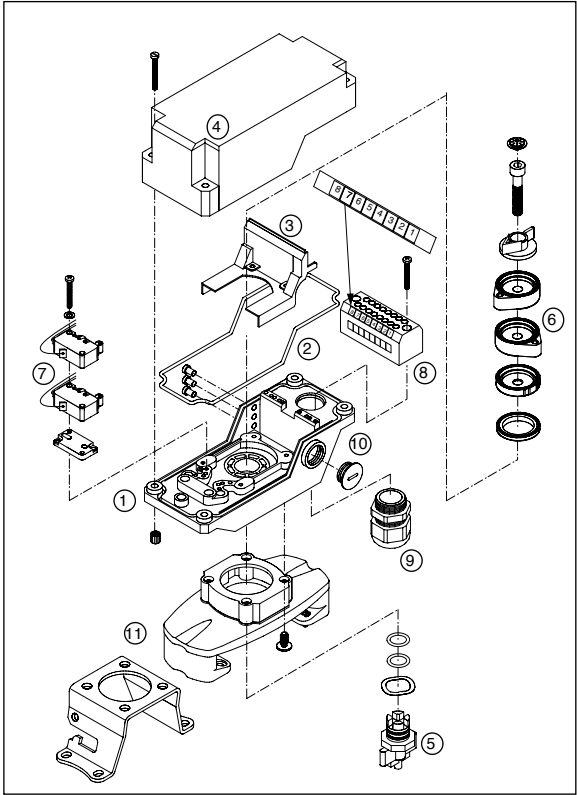
TECHNICAL DATA

Manufacturer:	Crouzet	Crouzet
Type:	83 161 301	83 161 801
Switches loads :	16 A, 250 V ~	0,1 A, 250 V ~
acc. to UL + CSA		
Contacts:	Silver-nickel	gold alloy
Mechanical life:	2 x 10 ⁷	5 x 10 ⁷
Ingress protection:	IP 65	IP 65
acc. to IEC 529 / DIN 40 050		
Temp. range:	-20 ... +100 °C	-25 ... +85 °C
Switching precision		
of the unit:	1,5°	1,5°
Base:	Vestamid black	
Cover:	Makrolon clear, Vestamid black	
	or Aluminium nickel plated	
Sealing (housing):	EPDM, NBR or Silicon	
Prov. connection:	M20 x 1,5	
solenoid connection:	M12 x 1,5	



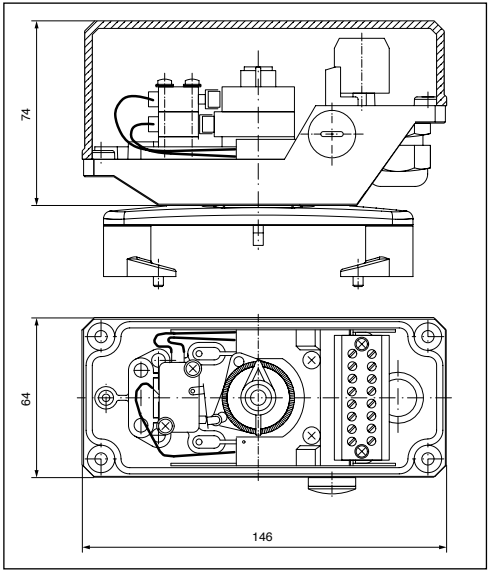
WIRING DIAGRAM Microswitch





Pos.	Pcs.	Description	Material
1	1	Housing (base)	Vestamid
2	1	O-ring sealing	optional
3	1	Internal cover	PA + 30%GF
4	1	Housing (cover)	optional
5	1	TCR- axis	POM
6	1	Switch cam system	POM, A2
7	2	Microswitch	-
8	1	Terminal block, 7 poles	-
9	1	Cable gland	-
10	1	Dummy plug for solenoid con.	-
11	1	Bracket, size 1-4	A2 or PA

Brackets chapter A5



Ordering information

TCR-modul with microswitches (without bracket)

T

CR

3

M

V

S

AZ

Display:

A = Open

M = Middle

Z = Close

Vision beacon: S (optional)

Base:

V = Vestamid

Cover:

M = Macrolon

A = Aluminium

V = Vestamid

Type :

3 = 83.161.301

8 = 83.161.801

Make:

Crouzet

Module:

T = TCR