MCS11 - Pressure switches with auxiliary contacts, 15 bar, 1 changeover contact, IP65

088527 MCS11

Overview Specifications Resources

088527 MCS11

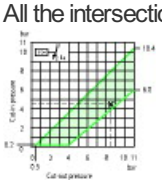
Pressure switches with auxiliary contacts, 15 bar, 1 changeover contact, IP65

Alternate Catalog No.	MCS11
EL-Nummer (Norway)	4356106

IEC EN 60947-5-1, IP65_x, pressure monitoring of liquid and gaseous media, e. g. compressed air, for actuation of the auxiliary circuits, make and break pressure: separately adjustable

Delivery program

Note on use
This product complies with Low-Voltage Directive 2014/35/EC and EMC Directive 2014/30/EC and meets the requirements in EN 60947-5-1. This product does not meet the rail industry's standard requirements. Accordingly, the user must review it separately for the specific application at hand.
Product range
Pressure switches with auxiliary contacts
Degree of Protection
IP65
Contacts
1 changeover contact
Cut-in pressure and cut-out pressure:
separate stepless adjustment.
All the intersection points within the diagram area can be set.



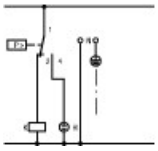
Min. switching differential: 0.3 bar

Example:

Cut-out pressure 8.5 bar

Cut-in pressure 4.5 bar

Variable switching differential
Max. operating pressure
15 bar
Notes



Features:

- Pressure pipe flange R¼"
- If required: pressure pipe flange R½"
- IP65 in conjunction with V-M20 cable gland
- 1 Insulated protective conductor terminal ⏚
- 2 cable entry knockouts for M20
- Neoprene membrane, resistant to aging, air, engine oil, and water min. -25 °C, max. +80 °C

Cut-in and cut-out pressures are factory-preset as specified with type suffix: □#203948

R¼" corresponds to G¼

R½" corresponds to G½ according to ISO 228-1

Auxiliary contact to IEC/EN 60947-1

Technical data

General
Standards
IEC/EN 60947-5-1
Test pressure
32 bar
Rupturing pressure
90 bar
Operating frequency [Operations/h]
□ 1500
Climatic proofing
Damp heat, constant, to IEC 60068-2-78
Damp heat, cyclic, to IEC 60068-2-30
Ambient temperature
-25 - 70
Degree of Protection
IP65
Mounting position
As required
Mechanical shock resistance to IEC 60068-2-27 [Half-sinusoidal shock 20 ms]
> 10 g
Vibration resistance acc. to IEC/EN 60068-2-6 [Amplitude 1 mm]
36 Hz
lifespan [Operations]
1×10^6
Terminal capacitiesSolid
1 x (0.75 - 2.5)
2 x (0.75 - 1.5) mm^2
Terminal capacitiesFlexible with ferrules to DIN 46228
1 x (0.5 - 1.5) mm^2
Terminations
Tunnel terminal
Terminal screw
M3
Tightening torque of terminal screw
0.5 Nm
Contacts/switching capacity
Rated impulse withstand voltage [U_{imp}]
4000 V AC
Rated insulation voltage [U_i]
400 V
Overvoltage category/pollution degree
III/3
Max. short-circuit protective deviceFuseless
PKZM0-6,3 Type

Max. short-circuit protective deviceFuse [gG/gL]
10 A
AC-15Rated operational current230 V, 50/60Hz
2 A
DC-13Rated operational current24 V
2 A
DC-13Rated operational current110 V
0.25 A
Rated frequency [f]
50 Hz

Design verification as per IEC/EN 61439

Operating ambient temperature min.
-25 °C
Operating ambient temperature max.
+70 °C

Technical data ETIM 7.0

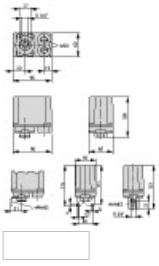
Low-voltage industrial components (EG000017) / Pressure switch (EC000243)
Electric engineering, automation, process control engineering / Low-voltage switch technology / Monitoring equipment (low-voltage switch technology) / Pressure monitoring equipment (ecl@ss10.0.1-27-37-18-14 [AKF108014])
Suitable as guard
Yes
Suitable as 2-point controller
Yes
Suitable as limiter
No
Max. operation pressure
15000 hPa
Engaging pressure
0 - 10.4 bar
Initial setting
0 - 0 hPa
Switch off pressure
0 - 11 bar
End setting
0 - 0 hPa
Pressure-switching differential
0 bar
Max. test pressure
32 bar
Bursting pressure
90 bar
Medium temperature
25 - 80 °C
Connection
Inner thread gas cylindrical (BSPP)
Thread size
1/4 inch
Rated voltage Ue at AC 50 Hz
0 - 230 V
Rated voltage Ue at AC 60 Hz
0 - 230 V
Rated voltage Ue at DC
0 - 110 V
Initial value measuring range pressure
0 Pa
End value measuring range pressure
0 Pa
Rated operation power at AC-3, 400 V
0 kW
Switching capacity at AC-3, 240 V
0 kA
Rated operation current Ie at AC-1, 400 V
0 A
Rated operation current Ie at AC-3, 400 V
0 A

Number of auxiliary contacts as normally open contact
0
Number of auxiliary contacts as normally closed contact
0
Number of auxiliary contacts as change-over contact
1
Type of electric connection
Screw connection
Number of normally closed contacts as main contact
0
Number of main contacts as normally open contact
0
Adjustable current range
0 - 0 A
With hand operation
No
With manual on/off switch
No
Electronic version
No
With display
No
Explosion-proof
No
Degree of protection (IP)
IP65
Degree of protection (NEMA)
Other
Height
110 mm
Width
60 mm
Diameter
0 mm
Depth
96 mm

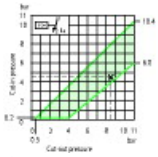
Approvals

Product Standards
CSA-C22.2 No. 14
CSA File No.
12528
CSA Class No.
3211-06
North America Certification
CSA certified

Dimensions

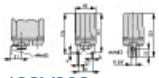
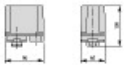


Characteristic curve

- 

132U002
Coordinate visualization
Pressure diagram

Dimensions single product

- 
  132X002
  Line drawing
  Pressure switch
- 132X003
  Line drawing
  Compression fitting
- 
  
  132X006
  Line drawing
  Pressure switch

3D drawing

- 132I001
  Line drawing
  Pressure switch

Product photo

- 
  132A015
  Photo
  Pressure switch

Instruction Leaflet

- MCS..., MCSN... Pressure Switches (IL05212001Z)
  Asset
  former AWA132-132
  (PDF, 10/2020, multilingual)

Declaration of Conformity

EU

- Pressure switch (with auxiliary contacts) (DA-DC-00003448)
  Asset
  (PDF)

UK

- Pressure switch (with auxiliary contacts) (DA-DC-00003962)
  Asset
  (PDF)

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