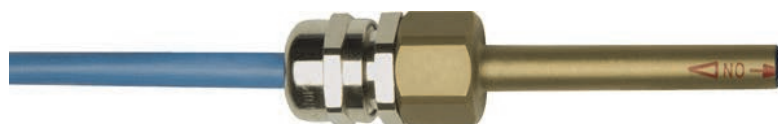


# A-U1-1, A-V2, A-V3

## Лопастные реле и индикаторы потока со взрывозащищенной головкой

### GHM MESSTECHNIK



## Технические характеристики

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Астана (7172)727-132	Ижевск (3412)26-03-58	Магнитогорск (3519)55-03-13	Пермь (342)205-81-47	Сургут (3462)77-98-35
Астрахань (8512)99-46-04	Иркутск (395)279-98-46	Москва (495)268-04-70	Ростов-на-Дону (863)308-18-15	Тверь (4822)63-31-35
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Вологда (8172)26-41-59	Краснодар (861)203-40-90	Омск (3812)21-46-40	Симферополь (3652)67-13-56	Хабаровск (4212)92-98-04
Воронеж (473)204-51-73	Красноярск (391)204-63-61	Орел (4862)44-53-42	Смоленск (4812)29-41-54	Челябинск (351)202-03-61
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# Switching Head A-U1-1

For device UR1



- I M1 Ex ia I
- II 1G Ex ia IIC T4
- II 1D Ex iaD 20 T135

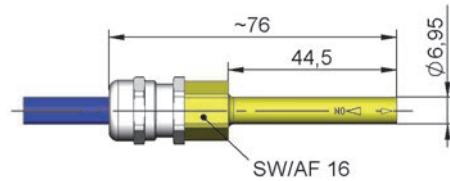
### Characteristics

Intrinsically safe switching unit with reed switch and ATEX approval, for the UR1 range of devices, for use in intrinsically safe power circuits.

### Technical data

<b>Switch</b>	reed switch
<b>Medium temperature</b>	-20..+110 °C
<b>Ambient temperature</b>	-20..+50 °C
<b>Weight</b>	0.05 kg additionally
<b>Wiring</b>	normally open (n.o.) or normally closed (n.c.), no. 0.442
<b>Switching voltage</b>	max. 30 V
<b>Switching current</b>	max. 1 A
<b>Switching capacity</b>	max. 50 W
<b>Ingress protection</b>	IP 65
<b>Electrical connection</b>	cable 2.5 m, other cable lengths up to max. 5 m are optionally available

### Dimensions



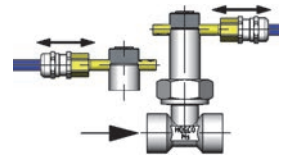
### Handling and operation

#### Note

- For use only in intrinsically safe power circuits - Provide a suitable isolating amplifier.
- Cable lengths max. 5 m.
- It must be ensured that the values given for voltage, current, and power are not exceeded.
- When switched on, a load must be connected in series.
- The electrical details apply to ohmic loads. Capacitive, inductive and lamp loads must be operated using a protective circuit.

#### Adjustment

Loosen bolt(s), push the switching current tube into the desired position. Retighten the bolt(s). Normally closed (n.c.) or normally opened (n.o.) as per table "Technical data"



### Ordering code

The base device is ordered, e.g. UR1-015GMA with switching head A-U1-1.

1.  
A-U1 - 1

<b>1. Device series</b>	
1	for UR1

# Switching Head A-V2

For devices VM-

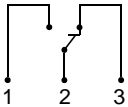
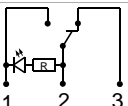


- I M1 Ex ia I
- II 1G Ex ia IIC T4
- II 1D Ex iaD 20 T135

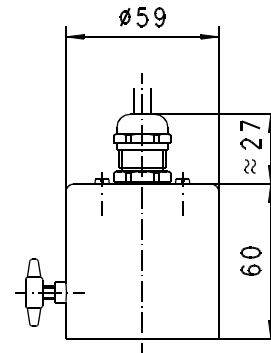
### Characteristics

Intrinsically safe switching head with reed switch and ATEX approval, for the VM range of devices, for use in intrinsically safe power circuits.

### Technical data

<b>Switch</b>	micro switch
<b>Medium temperature</b>	-20..+90 °C
<b>Ambient temperature</b>	-20..+50 °C
<b>Weight</b>	0.5 kg additionally
<b>Without diode</b>	
<b>Wiring</b>	changeover no. 0.213 
<b>Switching voltage</b>	max. 30 V
<b>Switching current</b>	max. 1.5 A
<b>Switching capacity</b>	max. 50 W
<b>Protection class</b>	3 - protective extra low voltage
<b>With diode</b>	
<b>Wiring</b>	changeover with diode No. 0.208 
<b>Switching voltage</b>	max. 15 V, 28 V or 36 V
<b>Switching current</b>	max. 1.5 A
<b>Switching capacity</b>	max. 50 W
<b>Protection class</b>	3 - protective extra low voltage
<b>Ingress protection</b>	IP 65
<b>Electrical connection</b>	cable 2.5 m, other cable lengths optionally available

### Dimensions



### Handling and operation

#### Note

- For use only in intrinsically safe power circuits; provide a suitable isolating amplifier.
- Cable lengths max. 5 m.
- It must be ensured that the values given for voltage, current, and power are not exceeded.
- When switched on, a load must be connected in series.
- The electrical details apply to ohmic loads. Capacitive, inductive and lamp loads must be operated using a protective circuit.

#### Adjustment

To adjust the switching point, the fixing screw for the switching head must be loosened. The switching head can then be rotated. Turning to the right increases the switching point, and vice-versa. Then retighten the fixing screw.

### Ordering code

The base device is ordered, e.g. VM-015GR020A with switching head e.g. A-V2-1.

1.  
A-V2 -

1. Wiring - switching voltage	
1	wiring no. 0.213 - 30 V
2	wiring no. 0.208 - 15 V
3	wiring no. 0.208 - 28 V
4	wiring no. 0.208 - 36 V

### Use for devices

Switching head	Device type
A-V2	VM-...

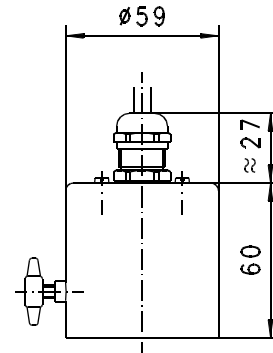


## Switching Head A-V3

For devices VM-



### Dimensions



- II 2G Ex d IIC T6

### Characteristics

Switching head with pressure-resistant encapsulation and ATEX approval for the VM range of devices.

### Technical data

<b>Switch</b>	micro switch
<b>Medium temperature</b>	-20..+90 °C
<b>Ambient temperature</b>	-20..+50 °C
<b>Weight</b>	0.5 kg additionally
<b>Wiring</b>	changeover no. 0.283
<b>Switching voltage</b>	max. 250 V AC
<b>Switching current</b>	max. 5 A
<b>Protection class</b>	2 - safety insulation
<b>Ingress protection</b>	IP 65
<b>Electrical connection</b>	cable 2.5 m, other cable lengths optionally available

### Handling and operation

#### Note

- Cable lengths max. 5 m.
- It must be ensured that the values given for voltage, current, and power are not exceeded.
- When switched on, a load must be connected in series.
- The electrical details apply to ohmic loads. Capacitive, inductive and lamp loads must be operated using a protective circuit.

#### Adjustment

To adjust the switching point, the fixing screw for the switching head must be loosened. The switching head can then be rotated. Turning to the right increases the switching point, and vice-versa. Then retighten the fixing screw.

#### Ordering code

The base device is ordered, e.g. VM-015GR020A with switching head e.g. A-V3-1.

A-V3 -

#### 1. Wiring

1	No. 0.283
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#### Use for devices

Switching head	Device type
A-V3	VM-...



- |                             |                            |                                 |                                |                           |
|-----------------------------|----------------------------|---------------------------------|--------------------------------|---------------------------|
| Архангельск (8182)63-90-72  | Иваново (4932)77-34-06     | Липецк (4742)52-20-81           | Пенза (8412)22-31-16           | Ставрополь (8652)20-65-13 |
| Астана (7172)727-132        | Ижевск (3412)26-03-58      | Магнитогорск (3519)55-03-13     | Пермь (342)205-81-47           | Сургут (3462)77-98-35     |
| Астрахань (8512)99-46-04    | Иркутск (395)279-98-46     | Москва (495)268-04-70           | Ростов-на-Дону (863)308-18-15  | Тверь (4822)63-31-35      |
| Барнаул (3852)73-04-60      | Казань (843)206-01-48      | Мурманск (8152)59-64-93         | Рязань (4912)46-61-64          | Томск (3822)98-41-53      |
| Белгород (4722)40-23-64     | Калининград (4012)72-03-81 | Набережные Челны (8552)20-53-41 | Самара (846)206-03-16          | Тула (4872)74-02-29       |
| Брянск (4832)59-03-52       | Калуга (4842)92-23-67      | Нижний Новгород (831)429-08-12  | Санкт-Петербург (812)309-46-40 | Тюмень (3452)66-21-18     |
| Владивосток (423)249-28-31  | Кемерово (3842)65-04-62    | Новокузнецк (3843)20-46-81      | Саратов (845)249-38-78         | Ульяновск (8422)24-23-59  |
| Волгоград (844)278-03-48    | Киров (8332)68-02-04       | Новосибирск (383)227-86-73      | Севастополь (8692)22-31-93     | Уфа (347)229-48-12        |
| Вологда (8172)26-41-59      | Краснодар (861)203-40-90   | Омск (3812)21-46-40             | Симферополь (3652)67-13-56     | Хабаровск (4212)92-98-04  |
| Воронеж (473)204-51-73      | Красноярск (391)204-63-61  | Орел (4862)44-53-42             | Смоленск (4812)29-41-54        | Челябинск (351)202-03-61  |
| Екатеринбург (343)384-55-89 | Курск (4712)77-13-04       | Оренбург (3532)37-68-04         | Сочи (862)225-72-31            | Череповец (8202)49-02-64  |

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