

KEY OPERATED CONTROL UNIT

series
RX - RS

Protection	Gas	Zone	1-2	II2G	Ex db IIC or IIB+H ₂ Gb
	Dusts		21-22	II2D	Ex tb IIIC Db
	Mine		n.d.	IM2	Ex db I Mb

Degree of Protection
IP66

Amb. Temp. Standard -20°C +40°C
Extended -50°C +80°C



Standards and Certificates



Directive 2014/34/EU (ATEX)

EN 60079-0 • EN 60079-1 • EN 60079-31

U INERIS 14 ATEX 9009U



IEC 60079-0 • IEC 60079-1 • IEC 60079-31

IECEx INE 14.0023U

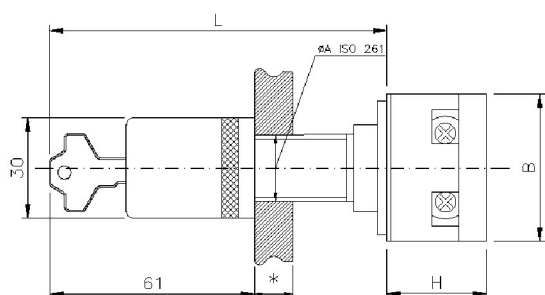
- Used to operate cam rotary switches.
- Bush in galvanized brass.
- Designed to prevent tampering of the devices, allowing the operation by authorized and key holder personnel only.

Options

- Complete version in stainless steel (RX...I & RS...I).

Electrical ratings:

- Current: $I_{max} = 63 \text{ A}$
- Voltage: $V_{max} = 500 \text{ V}$
- Frequency = 50/60 Hz



Main Function	ID letter ⁽¹⁾	Size (Nominal current)
Switch Pos. 0-1	I	1 (10 A)
Three position changeover switch (pos.1-0-2)	C	3 (16 A)
Two position changeover switch (pos.1-2)	D	5 (25 A)
Reverser switch (pos.1-0-2)	R	6 (32 A)
Connecting Switch (by diagram)	M followed by the diagram code	7 (40 A)
		9 (63 A)

Type	ØA Threading	L
RX2..Y5..	M25x1,5	89.0
RS2..Y5..	M25x1,5	96.0

NOTES

The control and signaling units get same temperature class as the enclosure on which they are installed.

(*) Units RX.. shall be installed on enclosures with internal volume up to 2 dm³; whereas units RS.. shall be installed on enclosures with volume up to 160,6 dm³ for group IIB+H₂ and up to 62,9 dm³ for group IIC.

These units may be installed on electrical equipment suitable for group IM2 (firedamp mines) if no component is made of light alloy. In such case mode of protection will be labelled Ex db I Mb.

(*) See page B11 for enclosures CCA-CPS, page B21 for CCL-CPL and page B31 for CCF.

(1) Schemes C - D - R - M are available up to size 6 (32 A).

Size	B	H											Weight (g)
		Switches		Three position changeover switch			Two position changeover switch			Reverser switch			
		Poles no.		Poles no.			Poles no.			Poles no.			
1 ÷ 3	4	1	2 ÷ 3	4	1	2 ÷ 3	4	1	2 ÷ 3	4			
1 - 3	43	38	50	38	50	62	38	50	62	38	50	62	180
5 - 6	58	42	56	45	56	70	42	56	70	42	56	70	240
7 - 9	58	56	84	-	-	-	-	-	-	-	-	-	320

The dimensions shown in the table refer to the K series of VANTAGGIMAURI.

As alternative switches from other manufacturers may be used, but first check the dimensions and their adaptability.

Example: RS 2 Y5C 23

Order Coding

Type	Size	Main Function	ID letter	Poles No.	Size
RX = V<2 dm ³ (*)	2 = M25x1,5	Y5 = Key	C = Three position changeover switch (pos.1-0-2)	2 = 2 poli	3 = 16 A
RS = V>2 dm ³ (*)					

TRIANGULAR KEY OPERATED CONTROL UNIT

series
RX - RS

Protection	Gas	1-2	II2G	Ex db IIC or IIB+H ₂ Gb
	Dusts	21-22	II2D	Ex tb IIIC Db
	Mine	n.d.	IM2	Ex db I Mb

Degree of Protection	IP66
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Amb. Temp.	Standard	-20°C	+40°C
	Extended	-50°C	+80°C



Standards and Certificates



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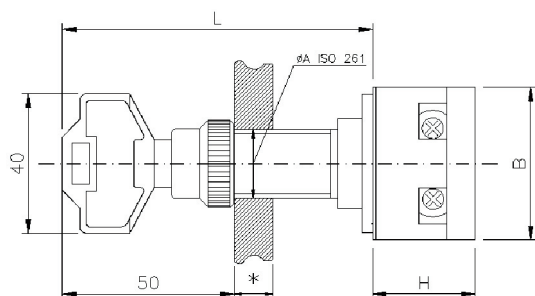
- Used to operate cam rotary switches.
- Bush in galvanized brass.
- Designed to prevent tampering of the devices, allowing the operation by authorized and key holder personnel only.

Options

- Complete version in stainless steel (RX...I & RS...I).

Electrical ratings:

- Current: $I_{max} = 63 \text{ A}$
- Voltage: $V_{max} = 500 \text{ V}$
- Frequency = 50/60 Hz



Main Function	ID letter ⁽¹⁾	Size (Nominal current)
Switch Pos. 0-1	I	1 (10 A)
Three position changeover switch (pos.1-0-2)	C	3 (16 A)
Two position changeover switch (pos.1-2)	D	5 (25 A)
Reverser switch (pos.1-0-2)	R	6 (32 A)
Connecting Switch (by diagram)	M followed by the diagram code	7 (40 A)
		9 (63 A)

Type	ØA Threading	L
RX1..H..	M20x1,5	74.0
RX2..H..	M25x1,5	74.0
RS1..H..	M20x1,5	89.0
RS2..H..	M25x1,5	89.0

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(1) Schemes C - D - R - M are available up to size 6 (32 A).

Size	B	H											Weight (g)
		Switches		Three position changeover switch			Two position changeover switch			Reverser switch			
		Poles no.		Poles no.			Poles no.			Poles no.			
		1 ÷ 3	4	1	2 ÷ 3	4	1	2 ÷ 3	4	1	2 ÷ 3	4	
1 - 3	43	38	50	38	50	62	38	50	62	38	50	62	180
5 - 6	58	42	56	45	56	70	42	56	70	42	56	70	240
7 - 9	58	56	84	-	-	-	-	-	-	-	-	-	320

The dimensions shown in the table refer to the K series of VANTAGGIMAURI.

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Example: RS 2 HC 23

Type	Size	Main Function	ID letter	Poles No.	Size
RX = V<2 dm ³ (*)	1 = M20x1,5	H = Triangular Key	C = Three position changeover switch (pos.1-0-2)	2 = 2 poli	3 = 16 A
RS = V>2 dm ³ (*)	2 = M25x1,5				

