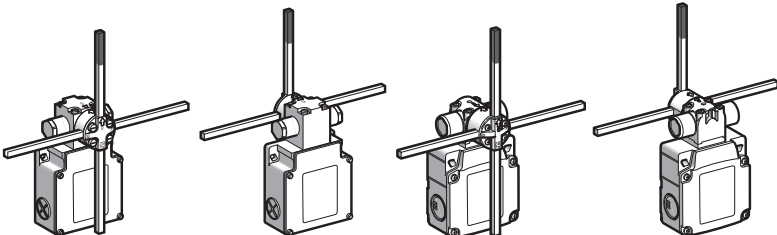


Limit switches

OsiSense XC Special

For hoisting and material handling applications,
type XCK MR and XCK VR

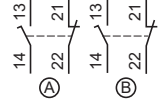
Complete switches with 3 cable entries

Type of operating head	Rotary			
				

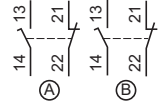
Material	Metal		Plastic	
Type of operator	With cruciform metal rods	With cruciform metal rods, reversed head	With cruciform metal rods	With cruciform metal rods, reversed head

References

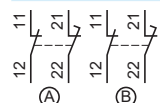
"By pass" switches

	2 x 2-pole NC+NO break before make, slow break (XE2 NP2151)	XCK MR24SR1H29	–	XCK VR24SR1H29	–
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"Single speed" switches

	2 x 2-pole NC+NO break before make, slow break (XE2 NP2151)	XCK MR44D1H29	XCK MR44D2H29	XCK VR44D1H29	XCK VR44D2H29
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"Double speed" switches (⊖ NC contact with positive opening operation on contacts 21-22)

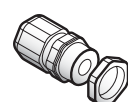
	2 x 2-pole NC+NC break before make, slow break (non interchangeable contacts)	XCK MR54D1H29 (1)	XCK MR54D2H29 (1)	XCK VR54D1H29	XCK VR54D2H29
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Weight (kg)	0.684	0.684	0.320	0.320
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Complementary characteristics

Switch actuation	Horizontal	Horizontal
Permissible actuation area on the rods	Between 65 and 95 mm from the axis of the fixing screws on the body	
Minimum actuation speed	0.1 m/mn	0.1 m/mn
Maximum actuation speed (2)	1.5 m/s	1.5 m/s
Minimum force or torque	For tripping	0.5 N.m
	For positive opening	0.75 N.m
Mechanical durability	2 million operating cycles	1 million operating cycles
Setting up	Rods included with the switch: for customer assembly	

References of separate components

	Description	Reference	Weight kg
 XCR Z03	Rod Ø 6 mm, L = 200 mm	XCR Z03	0.020
 XCR Z03R	Rod Ø 6 mm, L = 200 mm with red mark	XCR Z03R	0.020
 DE9 PEM20010	Plastic cable gland ISO M20	DE9 PEM20010	0.010

(1) For complete switches with entry for Pg 13.5 cable gland, delete H29 from the end of the reference. Example: **XCK MR54D1H29** becomes **XCK MR54D1**.

(2) For an actuation point on the rod between 65 and 95 mm from the axis of the fixing screws on the body.

Limit switches

OsiSense XC Special

For hoisting and material handling applications,
type XCK MR and XCK VR

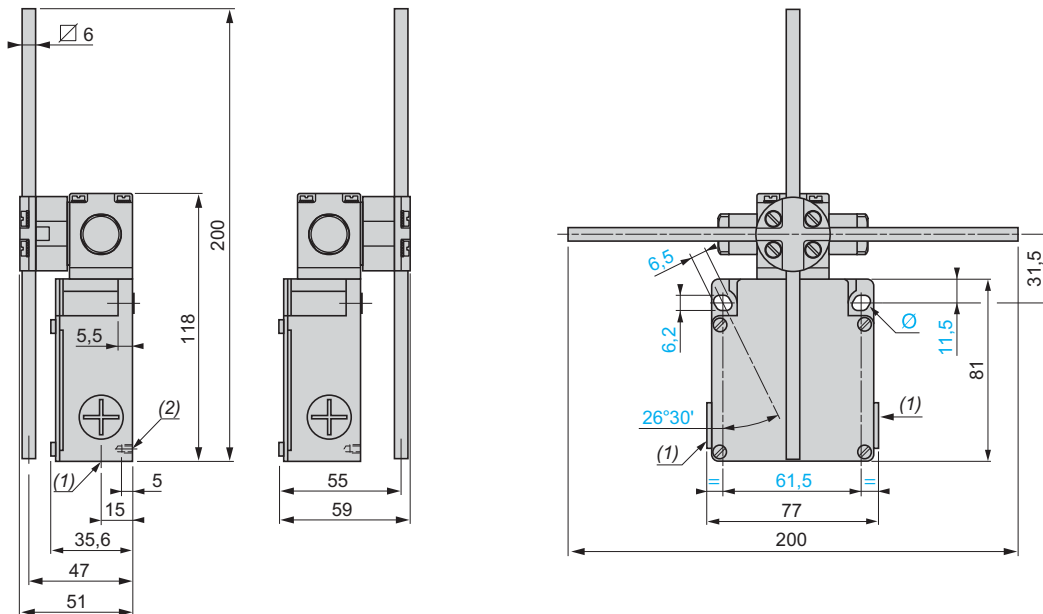
Complete switches with 3 cable entries

Dimensions

Metal limit switches

**XCK MR24SR1H29,
XCK MR44D1H29 and
XCK MR54D1H29**

XCK MR44D2H29 and XCK MR54D2H29



(1) XCK MR●●●●H29 = 3 tapped entries ISO M20 x 1.5.

XCK MR●●● = 3 tapped entries for Pg 13.5 cable gland.

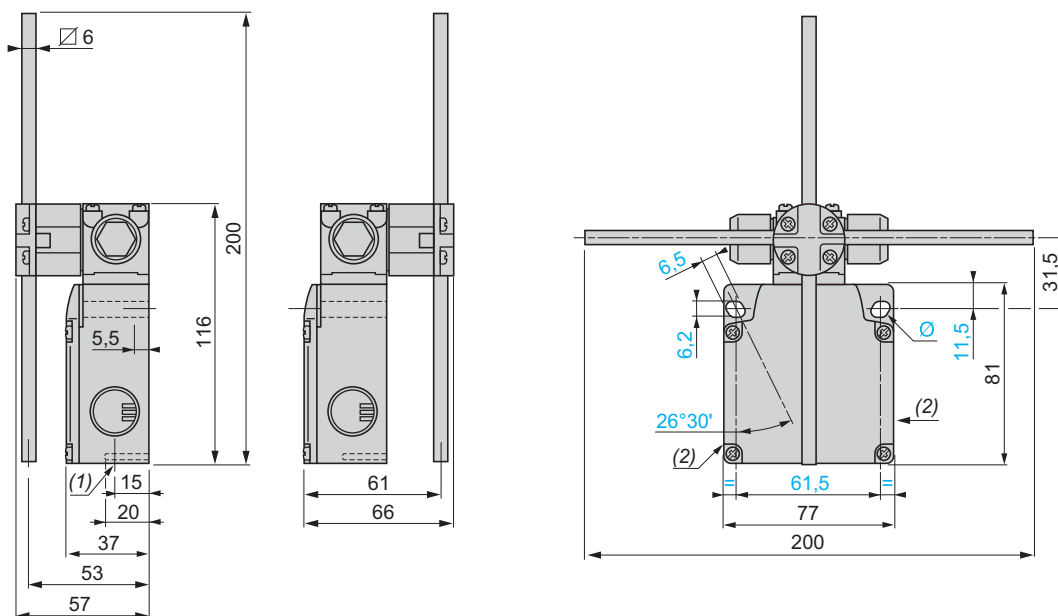
(2) 2 centring holes $\varnothing 3.9 \pm 0.2$, for cover fixing holes alignment.

$\varnothing$: 2 elongated holes 6.2 x 6.5, inclined at 26°30' to the vertical axis, for M5 screws.

Plastic limit switches

**XCK VR24SR1H29,
XCK VR44D1H29 and
XCK VR54D1H29**

XCK VR44D2H29 and XCK VR54D2H29



(1) 1 tapped entry ISO M20 x 1.5.

(2) 2 knock-out holes for ISO M20 cable gland (reference: **DE9 PEM20010**).

$\varnothing$: 2 elongated holes 6.2 x 6.5, inclined at 26°30' to the vertical axis, for M5 screws.

Limit switches

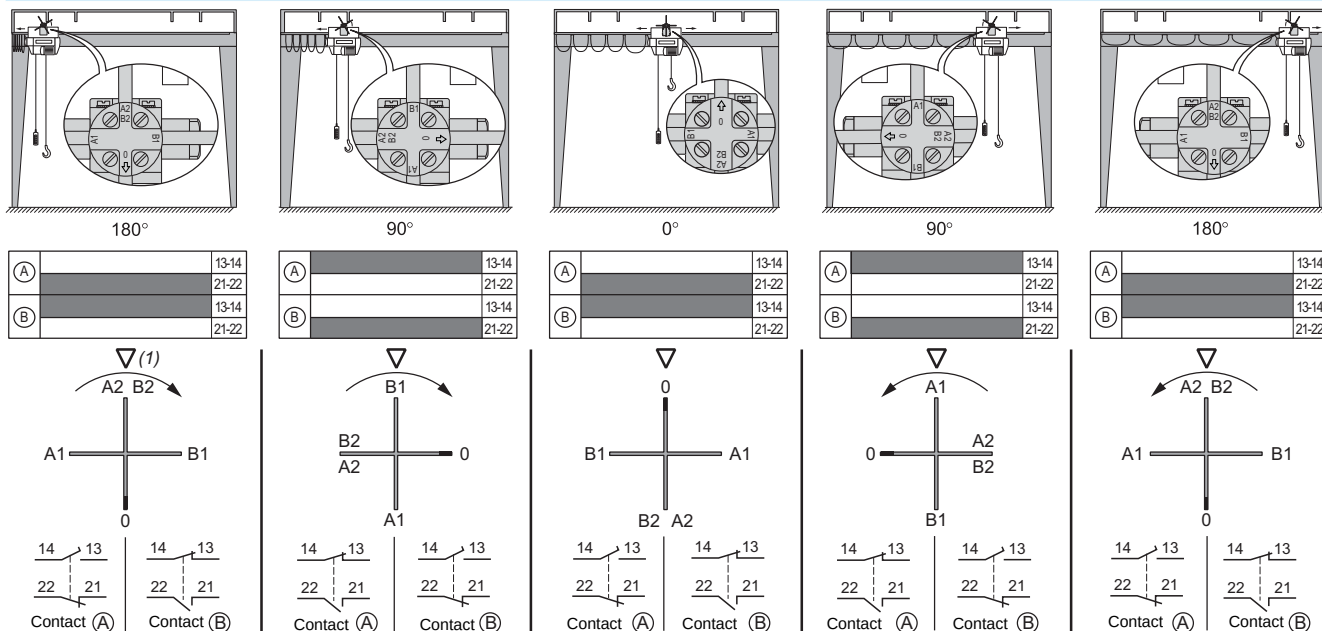
OsiSense XC Special

For hoisting and material handling applications,
type XCK MR and XCK VR

Complete switches with 3 cable entries

Operation

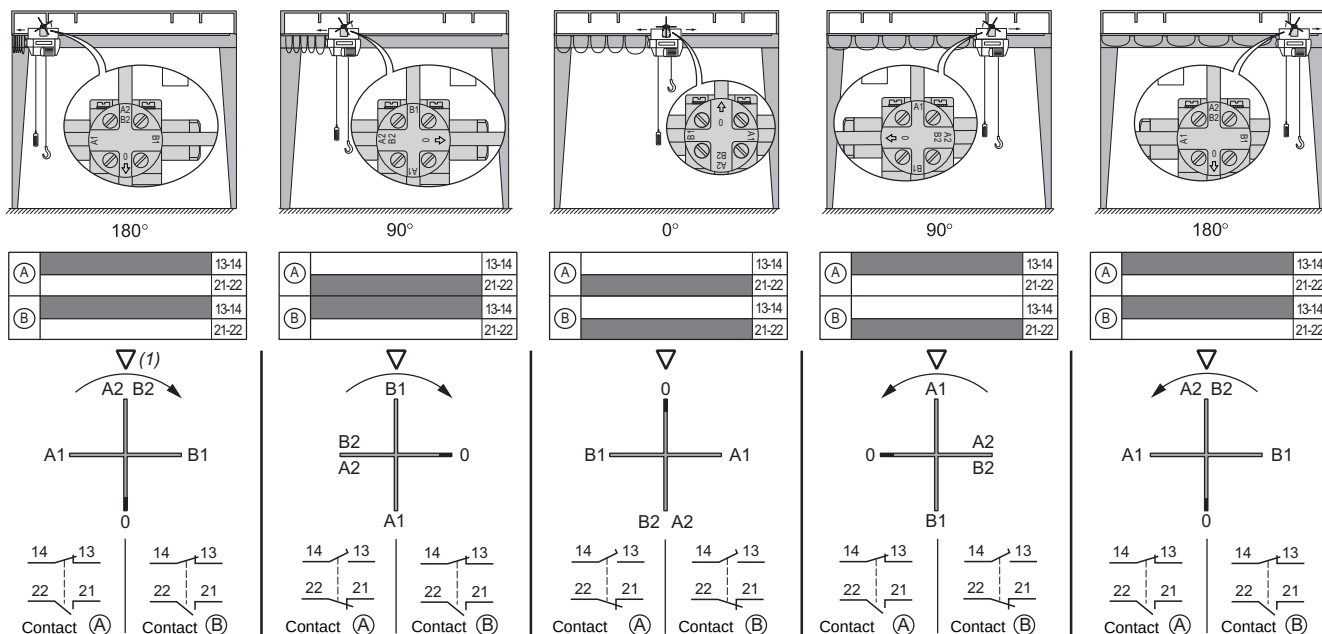
Limit switches XCK ●R24SR1H29: "By pass"



(1) Triangle symbol marked on top of head.

or : direction of rotation.

Limit switches XCK ●R44D●H29: "Single speed"



(1) Triangle symbol marked on top of head.

or : direction of rotation.

Limit switches

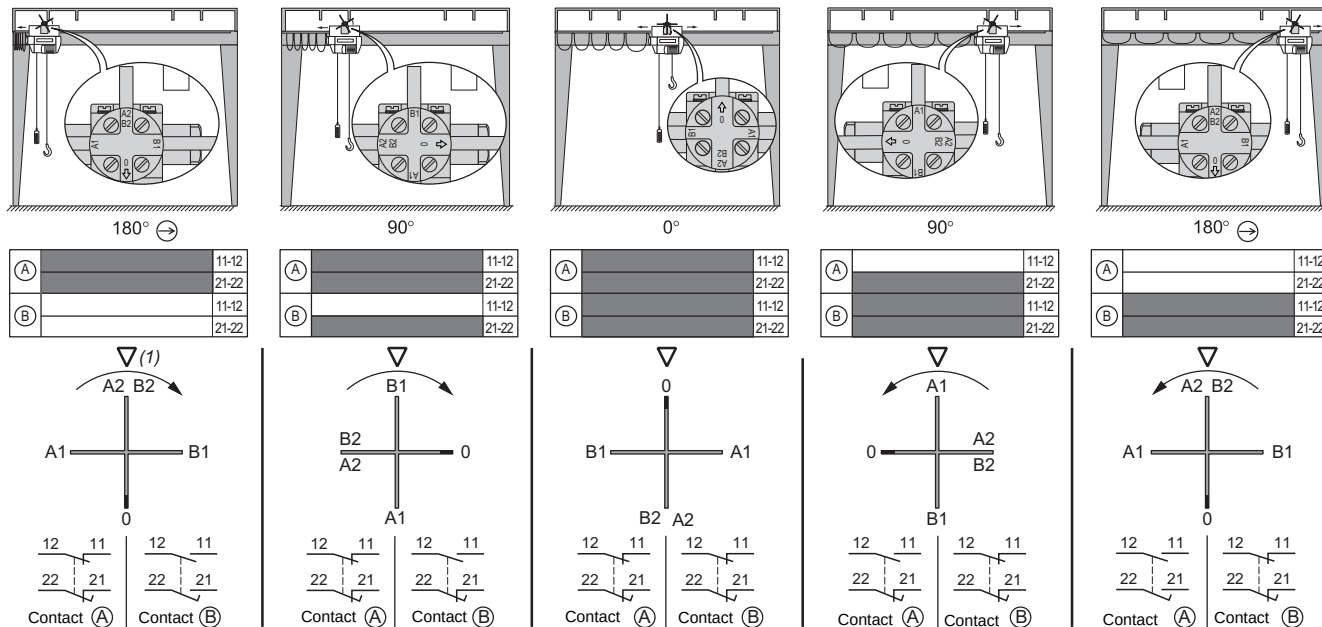
OsiSense XC Special

For hoisting and material handling applications,
type XCK MR and XCK VR

Complete switches with 3 cable entries

Operation (continued)

Limit switches XCK ●R54D●●●●: "Double speed"



(1) Triangle symbol marked on top of head.

or
: direction of rotation.