

# Limit switches

XC Special range

For hoisting and material handling applications,

XCKMR and XCKVR

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 (XE2NP2151)	XCKMR24SR1H29	–	XCKVR24SR1H29	–
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### “Single speed” switches

	2 x 2-pole NC+NO break before make, slow break (XE2NP2151)	XCKMR44D1H29	XCKMR44D2H29	XCKVR44D1H29	XCKVR44D2H29
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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)	XCKMR54D1H29 (1)	XCKMR54D2H29 (1)	XCKVR54D1H29	XCKVR54D2H29
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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	6 m/mn	6 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
	Rod $\varnothing$ 6 mm, L = 200 mm	XCRZ03	0.020
	Rod $\varnothing$ 6 mm, L = 200 mm with red mark	XCRZ03R	0.020
	Plastic cable gland ISO M20	DE9PEM20010	0.010

DE9PEM20010

(1) For complete switches with entry for Pg 13.5 cable gland, delete H29 from the end of the reference. Example: XCKMR54D1H29 becomes XCKMR54D1.

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