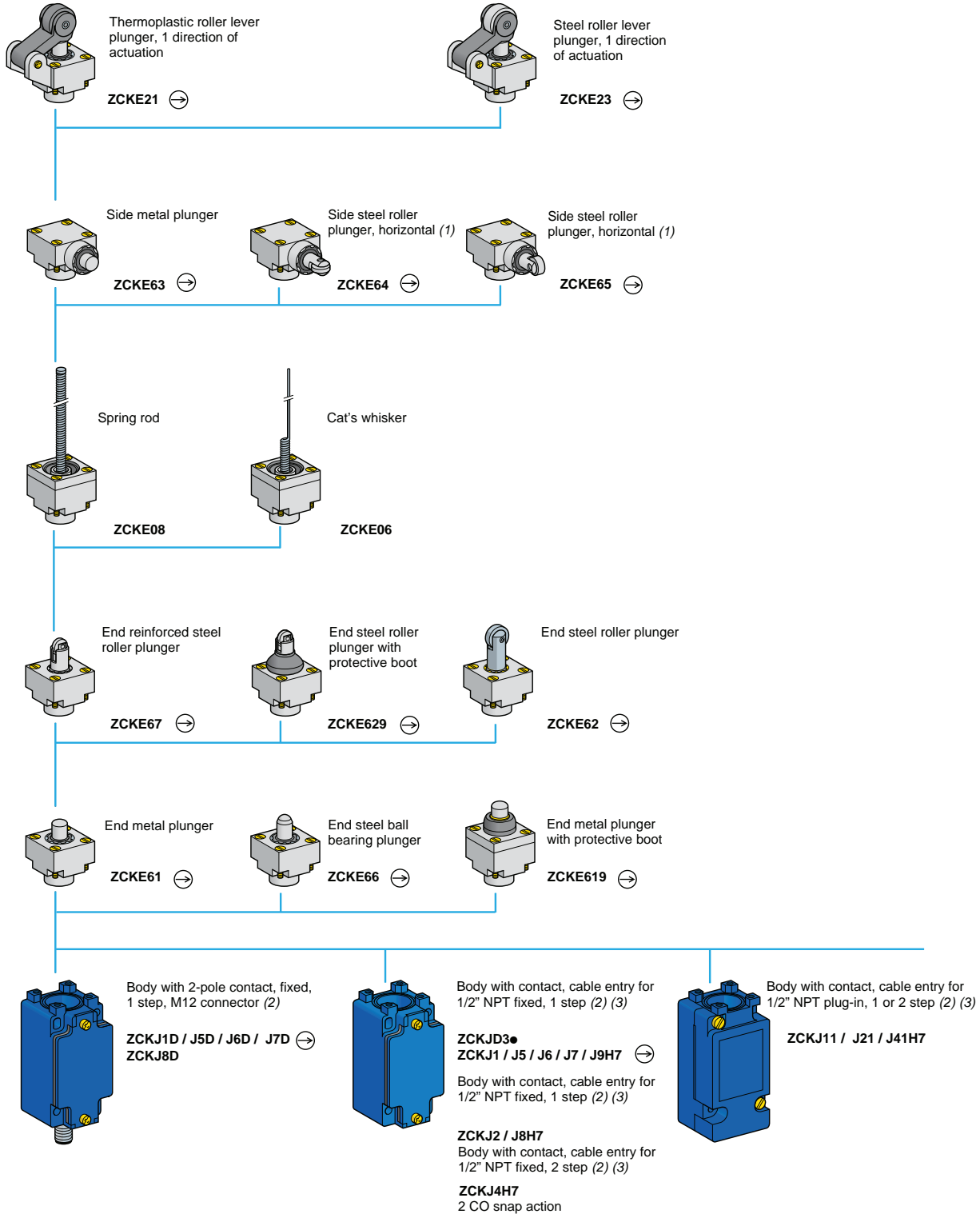


**Overview — Standard Industrial, Metal**



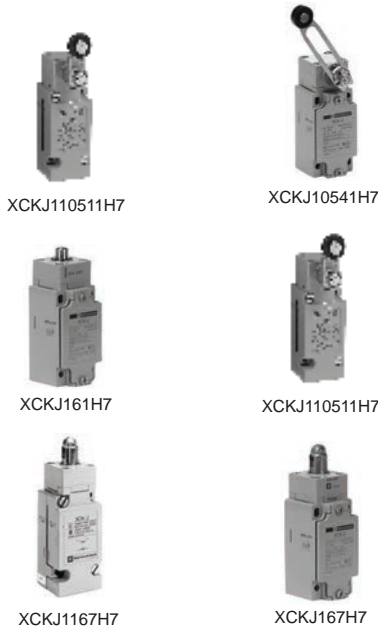
(1) Cannot be used with bodies ZCKJ4H7 and ZCKJ41H7.  
 (2) For further information, see page 21-27.  
 (3) For a cable entry tapped ISO M20 x 1.5, change H7 to H29. Example: ZCKJ1H7 becomes ZCKJ1H29.  
 For a cable entry tapped Pg 13.5, delete H7 from the catalog number. Example: JCKJ1H7 becomes ZCKJ1.

**XCKJ Switches**

XCKJ fixed body type precision switches with an SPDT configuration have direct opening contacts to meet most international standards.

**Table 21.53: Specifications**

<b>Rated Power</b> (conforms to IEC 947-5-1, duty categories AC15 and DC13)	
<b>Temperature range</b>	-13 to +158 °F (-25 to +70 °C); optional -40 to +248 °F (-40 to +120 °C). The minimum temperatures listed are based on the absence of freezing moisture or water.
<b>Enclosure rating</b>	NEMA 1, 2, 3, 4, 12; IEC Type IP66
<b>Vibration resistance</b>	25 G (10–500 Hz), conforming to IEC 68-2-6
<b>Shock resistance</b>	50 G, conforming to IEC 68-2-27
<b>Repeatability (max.)</b>	0.0004 in. (0.01 mm)
<b>Cable entry</b>	1/2" NPT standard
<b>Contact Characteristics</b>	
<b>Rated thermal current</b>	10 A, conforming to UL 508, CSA C22-2 No.14, IEC 337-1, NFC 63-140, VDE 0660-200
<b>Rated insulation voltage</b>	Non-plug-in: 300 Vac (A300) and DC (Q300) Plug-in: 600 Vac (A600) and DC (Q600)
<b>Contact resistance (max)</b>	Non-plug-in: 25 m W Plug-in: 45 m W
<b>Cable (max.)</b>	2 x 16 AWG (1.5 mm <sup>2</sup> ) per terminal—1 x #16 AWG for 2 SPDT (2 N.O., 2 N.C.)
<b>Short circuit protection</b>	10 A fuse type SC; Form I Class J or equivalent. Outside US use type gl or N.



**Table 21.54: Complete Switches, XCKJ**

Description and Functional Diagram	Operating Torque	Contact Type	Direct Opening	Catalog Number
<b>Non-plug-in Housings</b>				
<b>Delrin roller lever adjustable in 5° or 45° increments (reversible mountings)</b>				
	33.3 oz-in	SPDT (N.O. + N.C.)	Y [1]	XCKJ10511H7
	33.3 oz-in	2 SPDT (2 N.O. + 2 N.C.)	N	XCKJ20511H7
<b>Adjustable length—Delrin roller lever adjustable in 5° or 90° increments</b>				
	33.3 oz-in	SPDT (N.O. + N.C.)	N	XCKJ10541H7
	33.3 oz-in	2 SPDT (2 N.O. + 2 N.C.)	N	XCKJ20541H7
<b>Adjustable length—1/8 in. diameter steel rod adjustable in 5° or 45° increments</b>				
	33.3 oz-in	SPDT (N.O. + N.C.)	N	XCKJ10553H7
	33.3 oz-in	SPDT (N.O. + N.C.)	N	XCKJ10559H7
<b>Adjustable length—1/4 in. plastic rod adjustable in 5° or 45° increments</b>				
<b>Neutral Position</b> One SPDT contact switch per direction. Past 20° CW, contact 1 (11-12 / 13-14) switches. Past 20° CCW, contact 2 (21-22 / 23-24) switches. Levers not included.				
	26.6 oz-in	2 SPDT (2 N.O. + 2 N.C.)	N	ZCKJ404H7
<b>Plunger Operated</b>				
	Rod plunger 48 oz	SPDT (N.O. + N.C.)	Y [1]	XCKJ161H7
	Steel roller plunger 48 oz	SPDT (N.O. + N.C.)	Y [1]	XCKJ167H7
<b>Plug-in Housings</b>				
<b>Lever Operated</b>				
	33.3 oz-in	SPDT (N.O. + N.C.)	N	XCKJ110511H7
	33.3 oz-in	SPDT (N.O. + N.C.)	N	XCKJ110541H7
<b>Neutral Position</b> One SPDT contact switch per direction. Past 20° CW, contact 1 (11-12 / 13-14) switches. Past 20° CCW, contact 2 (21-22 / 23-24) switches. Levers not included.				
	26.6 oz-in	2 SPDT (2 N.O. + 2 N.C.)	N	ZCKJ4104H7
<b>Plunger Operated</b>				
	Rod plunger 48 oz	SPDT (N.O. + N.C.)	N	XCKJ1161H7
	Steel roller plunger 48 oz	SPDT (N.O. + N.C.)	N	XCKJ1167H7

Exploded view [page 21-30](#)

[1] Direct opening contacts meet IEC 947-5-1 requirements for positive opening contacts.