

Ensto Compact switch-disconnectors, panel and DIN rail mounted

Ensto Compact switch-disconnectors, 3-pole, panel and DIN rail mounted

PRODUCT CODE	AMPERAGE (A)	CONDUCTOR CROSS-SECTION (MM²)	TIGHTENING TORQUE (Nm)	MOUNTING	SIZE (MM)	WEIGHT (KG)	PACKAGE SIZE (PCS)	EAN 13 CODE
3-pole with direct handle								
KS3.16	3 x 16 A	Cu 1.5-16 mm²	2 Nm	Din rail/screw	36 x 80 x 76	0.133	50	6418677171345
KS3.20	3 x 20 A	Cu 1.5-16 mm²	2 Nm	Din rail/screw	36 x 80 x 76	0.133	50	6418677171352
KS3.25	3 x 25 A	Cu 1.5-16 mm²	2 Nm	Din rail/screw	36 x 80 x 76	0.133	50	6418677170003
KS3.32	3 x 32 A	Cu 1.5-16 mm²	2 Nm	Din rail/screw	36 x 80 x 76	0.133	50	6418677171420
KS3.40	3 x 40 A	Cu 1.5-16 mm²	2 Nm	Din rail/screw	36 x 80 x 76	0.133	50	6418677170010
KS3.63	3 x 63 A	Cu 1.5-16 mm²	2 Nm	Din rail/screw	36 x 80 x 76	0.133	50	6418677170027
KSM3.63	3 x 63 A	Cu 10-50 mm²	4 Nm	Din rail/screw	52 x 100 x 80	0.266	50	6418677169748
KSM3.80	3 x 80 A	Cu 10-50 mm²	4 Nm	Din rail/screw	52 x 100 x 80	0.266	50	6418677169755
KSM3.100	3 x 100 A	Cu 10-50 mm²	4 Nm	Din rail/screw	52 x 100 x 80	0.266	50	6418677169762
KSM3.125	3 x 125 A	Cu 10-50 mm²	4 Nm	Din rail/screw	52 x 100 x 80	0.266	50	6418677169779
3-pole, yellow with red handle								
KS3.16RY	3 x 16 A	Cu 1.5-16 mm²	2 Nm	Din rail/screw	36 x 80 x 76	0.133	50	6418677171444
KS3.20RY	3 x 20 A	Cu 1.5-16 mm²	2 Nm	Din rail/screw	36 x 80 x 76	0.133	50	6418677171451
KS3.25RY	3 x 25 A	Cu 1.5-16 mm²	2 Nm	Din rail/screw	36 x 80 x 76	0.133	50	6418677171468
KS3.32RY	3 x 32 A	Cu 1.5-16 mm²	2 Nm	Din rail/screw	36 x 80 x 76	0.133	50	6418677171475
KS3.40RY	3 x 40 A	Cu 1.5-16 mm²	2 Nm	Din rail/screw	36 x 80 x 76	0.133	50	6418677171482
KS3.63RY	3 x 63 A	Cu 1.5-16 mm²	2 Nm	Din rail/screw	36 x 80 x 76	0.133	50	6418677171499
KSM3.63RY	3 x 63 A	Cu 10-50 mm²	4 Nm	Din rail/screw	52 x 100 x 80	0.266	50	6418677169847
KSM3.80RY	3 x 80 A	Cu 10-50 mm²	4 Nm	Din rail/screw	52 x 100 x 80	0.266	50	6418677169854
KSM3.100RY	3 x 100 A	Cu 10-50 mm²	4 Nm	Din rail/screw	52 x 100 x 80	0.266	50	6418677169861
KSM3.125RY	3 x 125 A	Cu 10-50 mm²	4 Nm	Din rail/screw	52 x 100 x 80	0.266	50	6418677169878
3-pole without handle								
KS31.16	3 x 16 A	Cu 1.5-16 mm²	2 Nm	Din rail/screw	36 x 80 x 70	0.129	50	6418677171284
KS31.20	3 x 20 A	Cu 1.5-16 mm²	2 Nm	Din rail/screw	36 x 80 x 70	0.129	50	6418677171291
KS31.25	3 x 25 A	Cu 1.5-16 mm²	2 Nm	Din rail/screw	36 x 80 x 70	0.129	50	6418677171307
KS31.32	3 x 32 A	Cu 1.5-16 mm²	2 Nm	Din rail/screw	36 x 80 x 70	0.129	50	6418677171314
KS31.40	3 x 40 A	Cu 1.5-16 mm²	2 Nm	Din rail/screw	36 x 80 x 70	0.129	50	6418677171321
KS31.63	3 x 63 A	Cu 1.5-16 mm²	2 Nm	Din rail/screw	36 x 80 x 70	0.129	50	6418677171338
KSM31.63	3 x 63 A	Cu 10-50 mm²	4 Nm	Din rail/screw	52 x 100 x 70	0.260	50	6418677169700
KSM31.80	3 x 80 A	Cu 10-50 mm²	4 Nm	Din rail/screw	52 x 100 x 70	0.260	50	6418677169717
KSM31.100	3 x 100 A	Cu 10-50 mm²	4 Nm	Din rail/screw	52 x 100 x 70	0.260	50	6418677169724
KSM31.125	3 x 125 A	Cu 10-50 mm²	4 Nm	Din rail/screw	52 x 100 x 70	0.260	50	6418677169731



KS3.16



KSM3.63



KS3.16RY



KSM31.63

Ensto Compact switch-disconnectors, 3-pole with factory-mounted switched neutral pole and handle

PRODUCT CODE	AMPERAGE (A)	CONDUCTOR CROSS-SECTION (MM²)	TIGHTENING TORQUE (Nm)	MOUNTING	SIZE (MM)	WEIGHT (KG)	PACKAGE SIZE (PCS)	EAN 13 CODE
KS3.40N	3 x 40 A	Cu 1.5-16 mm²	2 Nm	Din rail/screw	49 x 80 x 76	0.177	50	6438100099343
KS3.63N	3 x 63 A	Cu 1.5-16 mm²	2 Nm	Din rail/screw	49 x 80 x 76	0.177	50	6438100099350
KSM3.80N	3 x 80 A	Cu 10-50 mm²	4 Nm	Din rail/screw	70 x 100 x 80	0.362	50	6438100099381
KSM3.100N	3 x 100 A	Cu 10-50 mm²	4 Nm	Din rail/screw	70 x 100 x 80	0.362	50	6438100099398



KS3.40N

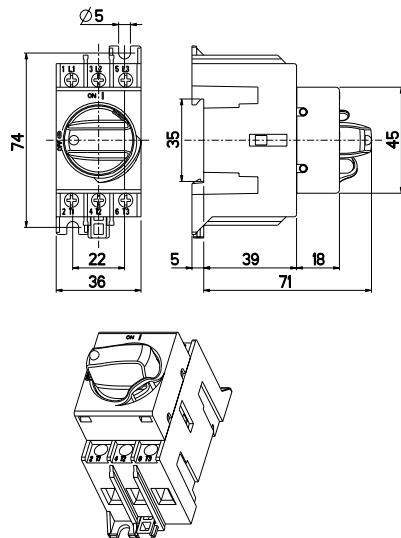


KSM3.80N

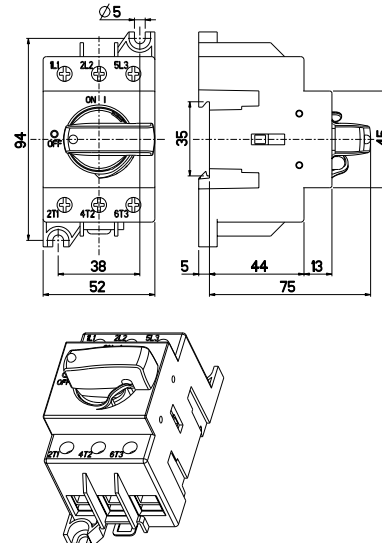
Technical drawings, Ensto Compact switch-disconnectors

Dimensions in mm

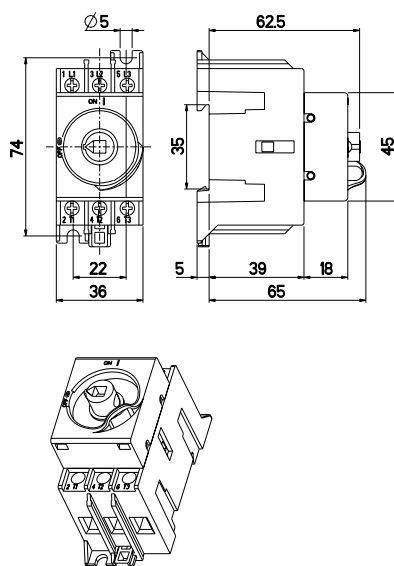
KS3.xx, KS3.xxRY



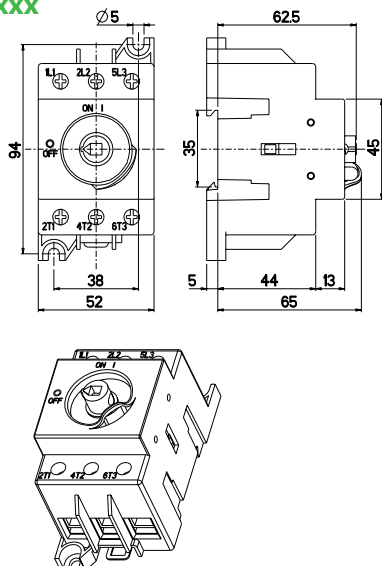
KSM3.xxx, KSM3.xxxRY



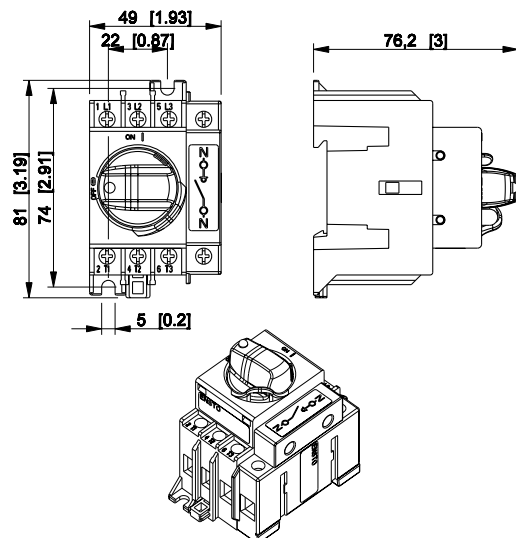
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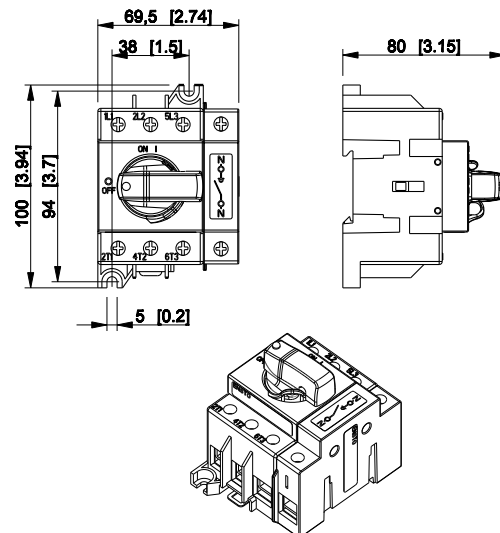
KSM31.xxx



KS3.40N, KS3.63N



KSM3.80N, KSM3.100N



Ensto Compact switch-disconnectors, table 2/2

Electrical and mechanical characteristics according to EN 60947-3

			3-pole	KSM3.63 KSM31.63	KSM3.80 KSM31.80	KSM3.80N	KSM3.100 KSM31.100	KSM3.100N		KSM3.125 KSM31.125
			4th pole	KSM1.63	KSM1.80		KSM1.100		KSM1N	KSM1.125
Conventional free air thermal current I _{th}	A			63	80	80	100	100	100	125
Rated insulation voltage U _i	V			800	800	800	800	800	800	800
Rated impulse withstand voltage U _{imp}	kV			8	8	6	8	6	6	8
Rated operational current I _e	415V	A		63	80	80	100	100	100	125
AC 21 A	500V	A		63	80	80	100	100	100	125
	690V	A		63	80	80	100	100	100	125
AC 22 A	415V	A		63	80	80	100	100	100	125
	500V	A		63	80	80	100	100	100	125
	690V	A		63	80	80	100	100	100	100
AC 23 A	415V	A		63	80	80	80	80	80	80
	500V	A		63	63	63	63	63	63	63
	690V	A		50	50	50	50	50	50	50
Rated operational power P _e	415V	kW		30	45	45	45	45	45	45
AC 23 A	500V	kW		37	37	37	37	37	37	37
(for standard motor)	690V	kW		45	45	45	45	45	45	45
Short-circuit characteristics (415 VAC)										
Rated short-time withstand current, 1s, I _{cw}	A _{rms}			1500	1500	1500	1500	1500	1500	1500
Rated conditional short-circuit current	kA _{rms}			25	25	25	25	25	25	11
Max. fuse (gG)	A			63	80	80	100	100	100	125
Max. cut-off current	kA _{peak}			9	9	9	9	9	9	9
Max. Joule integral	kA ² s			49.8	49.8	49.8	49.8	49.8	49.8	83
Making and breaking characteristics										
Making capacity	415V AC 23 A	A		630	800	800	800	800	800	800
Breaking capacity	415V AC 23 A	A		504	640	640	640	640	640	640
Endurance (number of operations)										
Mechanical				30 000	30 000	30 000	30 000	30 000	30 000	30 000
Electrical				1 500	1 500	1 500	1 500	1 500	1 500	1 500
Terminals (Cu)	mm ²			10–50	10–50	10–50	10–50	10–50	10–50	10–50
Tightening torque	Nm			4	4	4	4	4	4	4