Ensto Compact switch-disconnectors, panel and DIN rail mounted

Ensto Compact switch-disconnectors, 4th pole

PRODUCT CODE	AMPERAGE (A)	CONDUCTOR CROSS-SECTION (MM^2)	TIGHTENING TORQUE (Nm)	MOUNTING	SIZE (MM)	WEIGHT (KG)	PACKAGE SIZE (PCS)	EAN 13 CODE
KS1.16	16 A	Cu 1.5-16 mm^2	2 Nm	Din rail/screw	13 x 56 x 72	0.046	50	6418677171253
KS1.20	20 A	Cu 1.5-16 mm^2	2 Nm	Din rail/screw	13 x 56 x 72	0.046	50	6418677171260
KS1.25	25 A	Cu 1.5-16 mm^2	2 Nm	Din rail/screw	13 x 56 x 72	0.046	50	6418677170065
KS1.32	32 A	Cu 1.5-16 mm^2	2 Nm	Din rail/screw	13 x 56 x 72	0.046	50	6418677171277
KS1.40	40 A	Cu 1.5-16 mm^2	2 Nm	Din rail/screw	13 x 56 x 72	0.046	50	6418677170072
KS1.63	63 A	Cu 1.5-16 mm^2	2 Nm	Din rail/screw	13 x 56 x 72	0.046	50	6418677170089
KSM1.63	63 A	Cu 10-50 mm^2	4 Nm	Din rail/screw	18 x 62 x 83	0.095	50	6418677169786
KSM1.80	80 A	Cu 10-50 mm^2	4 Nm	Din rail/screw	18 x 62 x 83	0.095	50	6418677169793
KSM1.100	100 A	Cu 10-50 mm^2	4 Nm	Din rail/screw	18 x 62 x 83	0.095	50	6418677169809

KS1.63

KSM1.63

Additional poles

PRODUCT CODE	DESCRIPTION	AMPERAGE (A)	TIGHTENING TORQUE (Nm)	WEIGHT (KG)	PACKAGE SIZE (PCS)	EAN 13 CODE
Switched neutral poles						
KS1N	For KS3- and KS31 switches	Max. 63 A	2 Nm	0.046	50	6438100094300
KSM1N	For KSM switch	Max. 125 A	4 Nm	0.095	50	6438100094324
Fixed neutral poles						
KSN1	For KS3- and KS31 switches	Max. 63 A	2 Nm	0.042	50	6418677170126
KSMN1	For KSM switch	Max. 125 A	4 Nm	0.087	50	6418677169823
Fixed PE poles						
KSP1	For KS3- and KS31 switches	Max. 63 A	2 Nm	0.042	50	6418677170140
KSMP1	For KSM switch	Max. 125 A	4 Nm	0.087	50	6418677169830
Standard auxiliary contact						
KSA1	NO+NC auxiliary contact 16 A for 16-125 A switches	16 A	2 Nm	0.051	50	6418677170164

Switched neutral pole, KS1N.

Fixed neutral pole, KSN1.

Fixed PE pole KSP1.

Standard auxiliary contact, KSA1.

Ensto Compact switch-disconnectors, table 1/2

Electrical and mechanical characteristics according to EN 60947-3

	3-pole	KS3.16 KS31.16 KS13.16	KS3.20 KS31.20 KS13.20	KS3.25 KS31.25 KS13.25	KS3.32 KS31.32 KS13.32	KS3.40 KS31.40 KS13.40	KS3.40N	KS3.63 KS31.63 KS13.63	KS3.63N	
	4th pole	KS1.16 KS11.16	KS1.20 KS11.20	KS1.25 KS11.25	KS1.32 KS11.32	KS1.40 KS11.40		KS1.63 KS11.63		KS1N KS11N
Conventional free air thermal current I th	A	16	20	25	32	40	40	63	63	63
Rated insulationvoltage Ui	V	800	800	800	800	800	800	800	800	800
Rated impulse withstand voltage Uimp	kV	8	8	8	8	8	6	8	6	6
Rated operational current Ie 415V	A	16	20	25	32	40	40	63	63	63
AC 21 A 500V	A	16	20	25	32	40	40	63	63	63
690V	A	16	20	25	32	40	40	63	63	63
AC 22 A 415V	A	16	20	25	32	40	40	63	63	63
500V	A	16	20	25	32	40	40	63	63	63
690V	A	16	20	25	32	40	40	63	63	63
AC 23 A 415V	A	16	20	25	32	40	40	63	63	63
500V	A	16	20	25	32	40	40	40	40	40
690V	A	16	20	25	25	25	25	25	25	25
Rated operational power Pe 415V	kW	7.5	7.5	11	15	18.5	18.5	30	30	30
AC 23 A 500V	kW	7.5	11	15	18.5	22	22	22	22	22
(for standard motor) 690V	kW	11	15	22	22	22	22	22	22	22
Short-circuit characteristics (415 VAC)										
Rated short-time withstand current, 1s, Icw	Arms	1260	1260	1260	1260	1260	1260	1260	1260	1260
Rated conditional short-circuit current	kArms	50	50	50	50	50	50	20/50	20/50	20/50
Max. fuse (gG)	A	16	20	25	32	40	40	63/40	63/40	63/40
Max. cut-off current	kApeak	6	6	6	6	6	6	6/6	6/6	6/6
Max. Joule integral	kA^2s	6.8	6.8	6.8	6.8	6.8	6.8	15/6.8	15/6.8	15/6.8
Making and breaking characteristics										
Making capacity 415V AC 23 A	A	160	200	250	320	400	400	630	630	630
Breaking capacity 415V AC 23 A	A	128	160	200	256	320	320	504	504	504
Endurance (number of operations)										
Mechanical		100 000	100 000	100 000	100 000	100 000	100 000	100 000	100 000	100 000
Electrical		3 000	3 000	3 000	3 000	3 000	3 000	3 000	3 000	3 000
Terminals (Cu)	mm^2	1.5–16	1.5–16	1.5–16	1.5–16	1.5–16	1.5–16	1.5–16	1.5–16	1.5–16
Tightening torque	Nm	2	2	2	2	2	2	2	2	2