

ENSTO

PRODUCT SPECIFICATION

11/01/2020



6418677169717

Load break switch rotary

KSM31.80

Code	KSM31.80
GTIN	6418677169717
Name	Load break switch rotary Ensto Compact 3 x 80 A, without handle
Description	Ensto Compact is a complete range of rotary switches from 16 A to 125 A.
Vendor	Ensto Finland Oy



Technical specification

Others

ETIM Class: EC000216

Certificates

Standards: EN 60947-3

Short-circuit characteristics

Max. cut-off current:	9 kA
Max. fuse:	80 A
Max. Joule integral:	49.8 kA ² s
Rated conditional short-circuit current:	25 kA
Rated short time withstand current:	1500 A (1 s)

Dimensions

Conductor cross-section:	Cu 16-50
Net Weight:	13 kg
Size:	55 x 102 x 79
Volume :	44.32 cm ³
Weight:	0.26 kg

Mechanical

Tightening torque Nm: 4 Nm

Electrical values

Breaking capacity 415 V, AC 23 A: 640 A

Making capacity 415 V, AC 23 A:	800 A
Rated insulation voltage:	800 V
Rated operational current:	AC 22 A: 415V / 80A, 500V / 80A, 690V / 80A, AC 23 A: 415V / 80A, 500V / 63A, 690V / 50A

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Conditioned rated short-circuit current Iq:	25 kA
Device construction:	Complete device in housing
Interlockable:	True
Max. rated operation voltage Ue AC:	690 V
Motor drive integrated:	False
Motor drive optional:	False
Number of poles:	3
Rated operating voltage:	400 ... 690 V
Rated operation power at AC-23 400 V:	45 kW
Rated permanent current at AC-21 400 V:	80 A
Rated short-time withstand current Icw:	1.5 kA
Suitable for distribution board installation:	True
Type of control element:	Door coupling rotary drive
Type of electrical connection of main circuit:	Screw connection
Version as emergency stop installation:	False
Version as main switch:	True
Version as maintenance-/service switch:	True
Version as reversing switch:	False
Version as safety switch:	False
Voltage release optional:	False

Packaging

Default package

Unit:	PCE
Package size:	50
Weight:	650 kg