Product data sheet
Characteristics

C160S3FM
Switch disconnector basic frame, ComPacT NS1600 type NA, 3P, fixed, manually operated, 1600A



Main

Product name	ComPacT NS new generation
Product or component type	Basic frame
Device application	Distribution
Poles description	3P
Network type	AC
Breaking capacity code	NA
Suitability for isolation	Yes conforming to IEC 60947-3

Complementary

Network frequency	50/60 Hz
Control type	Manually operated
Mounting mode	Fixed
Upside connection	Front
Downside connection	Front
[Ie] rated operational current	AC-23A: 1600 A AC 50/60 Hz 220/240 V AC-23A: 1600 A AC 50/60 Hz 380/415 V AC-23A: 1600 A AC 50/60 Hz 440/480 V AC-23A: 1600 A AC 50/60 Hz 500/525 V AC-23A: 1600 A AC 50/60 Hz 660/690 V
[Ui] rated insulation voltage	800 V AC 50/60 Hz conforming to IEC 60947-3
[Uimp] rated impulse withstand voltage	8 KV conforming to IEC 60947-3
[Ith] conventional free air thermal current	1600 A at 60 °C
[Icw] rated short-time withstand current	25 KA during 0.5 s conforming to IEC 60947-3 4 KA during 20 s conforming to IEC 60947-3
[Icm] rated short-circuit making capacity	52 KA 690 V AC at 50/60 Hz
[Ue] rated operational voltage	690 V AC 50/60 Hz conforming to IEC 60947-3
Contact position indicator	Yes
Visible break	No
Mechanical durability	10000 Cycles conforming to IEC 60947-3
Electrical durability	2000 Cycles 440 V AC 50/60 Hz conforming to IEC 60947-3
Connection pitch	70 Mm
Height	210 Mm
Width	327 Mm
Depth	147 Mm
Net weight	14 Kg

Environment

Standards	IEC 60947-3
Product certifications	IECEE CB Scheme
IP degree of protection	IP40 conforming to IEC 60529
IK degree of protection	IK07 conforming to EN 50102
Pollution degree	3 conforming to IEC 60947-3
Ambient air temperature for operation	-25…70 °C
Ambient air temperature for storage	-50…85 °C

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	2.0 Cm
Package 1 Width	1.0 Cm
Package 1 Length	2.0 Cm
Package 1 Weight	10.0 G

Offer Sustainability

Recyclability potential, in %	56
Total lifecycle Carbon footprint	1 461 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	148.70057211346386
Carbon footprint of the manufacturing phase [A1 to A3]	149 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	3.0650907550938875
Carbon footprint of the distribution phase [A4]	3 kg CO2 eq.
Carbon footprint of the installation phase [A5]	1.327871809828206
Carbon footprint of the installation phase [A5]	1 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	1292.7331559219845
Carbon footprint of the use phase [B2, B3, B4, B6]	1 293 kg CO2 eq.
Mercury free	Yes
Sustainable packaging	No
Carbon footprint of the end-of-life phase [C1 to C4]	15.490280143827407
Carbon footprint of the end-of-life phase [C1 to C4]	15 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
Total lifecycle Carbon footprint	1461
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	No
SCIP Number	76c2e213-3b51-4d8b-afdf-632ded42d731
REACh Regulation	Reference contains Substances of Very High Concern above the threshold
EU RoHS Directive	Compliant By Exemption
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which
Halogen-free status	Product contains halogen above thresholds
PVC free	Yes
End of life manual availability	End Of Life Information
Take-back	No
WEEE Label	The product must be disposed on European Union markets following specific waste collection and

Contractual warranty

Warranty (in months)	18

Product Life Status : Commercialised