SIEMENS

Data sheet 5TL1680-0



Figure similar

switch disconnector, on-off switch 80 A 3-pole + N

Model	
product brand name	SENTRON
product designation	On-off switch
design of the product	3 NO + N
design of the switching function	on-off switch
General technical data	
number of poles	3
design of pole	3P+N
short-circuit current rating	10 kA
type of voltage of the operating voltage	AC
Supply voltage	
operating voltage rated value	440 V
value range of the operating frequency	50/60 Hz
Protection class	
protection class IP	other
Breaking Capacity	
switching capacity current rated value	0.24 kA
Dissipation	
power loss [W] for rated value of the current at AC in hot operating state per pole	3.5 W
Main circuit	
operational current rated value	80 A
Product details	
product component signal lamp	No
number of NO contacts	3
Product function	
product function positive opening (acc. to DIN VDE 0113)	No
connectable conductor cross-section for flexible conductor with core end processing	
● minimum	2.5 mm²
● maximum	50 mm²
connectable conductor cross-section for rigid conductor	
● minimum	2.5 mm²
● maximum	50 mm²
tightening torque with screw-type terminals	
● minimum	2.5 N·m
● maximum	3 N·m
Mechanical Design	

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height	89.8 mm
depth	74.5 mm
installation depth	70 mm
number of modular width units	4
Net Weight	440 g
ambient temperature during operation	
● minimum	-5 °C
● maximum	40 °C
ambient temperature during storage minimum	-25 °C

Approvals Certificates

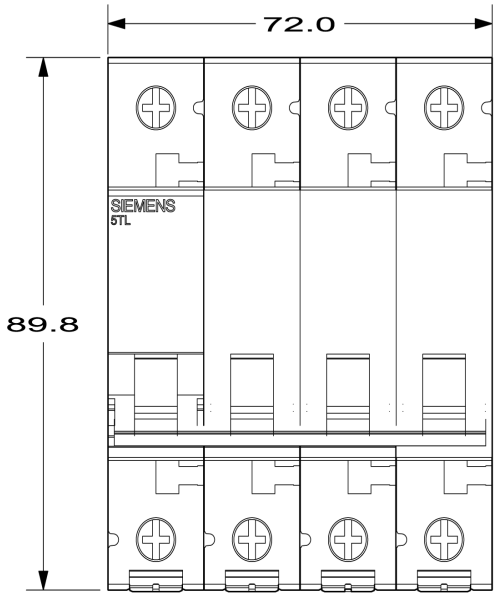
Environment			General Product Approval		
Environmental Confirmations	Environmental Confirmations			Miscellaneous	

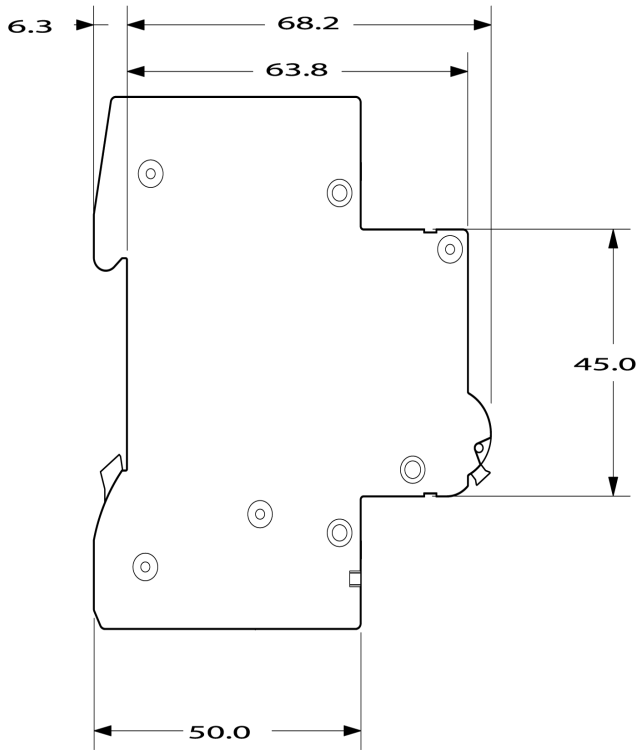
General Product Approval			other
			Confirmation

Further information

Information on the packaging
https://support.industry.siemens.com/cs/ww/en/view/109813875
Information for data generation and storage
https://support.industry.siemens.com/cs/ww/en/view/109995012
Information- and Downloadcenter (Catalogs, Brochures,…)
https://www.siemens.com/lowvoltage/catalogs
Industry Mall (Online ordering system)
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=5TL1680-0
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/5TL1680-0
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5TL1680-0
CAx-Online-Generator
https://www.siemens.com/cax
Tender specifications
https://www.siemens.com/specifications
Kennlinien
https://curves.simaris.siemens.com/curves/5TL1680-0

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