

1P+N, Type A, 30 mA, B-Char In: 25A, 230/240V, compact



Model	
Product brand name	SENTRON
Product designation	LS/DI switch
Design of the product	Instantaneous

General technical data	
Number of poles	2
Number of poles / Note	1P+N
Number of poles / with protection	1
Tripping characteristic class	B
circuit-breaker / Design	5SV9
Mechanical service life (switching cycles) / typical	10 000
Overvoltage category	III
Degree of pollution	2

Voltage	
Surge current resistance / at (8/20) μ s	1 kA

Supply voltage	
Type of voltage	AC
Current / at AC / rated value	25 A

Supply voltage	
<ul style="list-style-type: none"> • for testing equipment / minimum 	195 V
Supply voltage frequency / rated value	50 Hz

Protection class

Protection class IP	IP20, if the distribution board is installed, with connected conductors
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Switching capacity

Breaking capacity short-circuit current (I _{cn}) / according to EN 61009-1 / rated value	6 kA
Switching capacity current	
<ul style="list-style-type: none"> • acc. to EN 60898 / rated value 	6 kA
<ul style="list-style-type: none"> • acc. to IEC 60947-2 / rated value 	6 kA
Rated residual switching capacity (I _{Δm}) / according to IEC 61009-1	4.5 kA
Energy limiting class	3

Dissipation

Power loss [W]	
<ul style="list-style-type: none"> • for rated value of the current / at AC / in hot operating state / per pole 	0.72 W
<ul style="list-style-type: none"> • maximum 	1.44 W

Current

Tripping residual current / rated value	30 mA
Tripping residual / rated value / derated current	
<ul style="list-style-type: none"> • at 30 Cel 	25 A
<ul style="list-style-type: none"> • at 40 Cel 	0.95 A
<ul style="list-style-type: none"> • at 45 Cel 	0.93 A
<ul style="list-style-type: none"> • at 50 Cel 	0.9 A
<ul style="list-style-type: none"> • at 55 Cel 	0.87 A
Type of fault current	A

Product details

Product function / neutral conductor switching	Yes
Product feature / Touch protection	Yes
Product feature	
<ul style="list-style-type: none"> • halogen-free 	Yes
<ul style="list-style-type: none"> • silicon-free 	Yes

Connections

Connectable conductor cross-section / solid	
<ul style="list-style-type: none"> • minimum 	0.75 mm ²
<ul style="list-style-type: none"> • maximum 	16 mm ²
Connectable conductor cross-section / stranded	
<ul style="list-style-type: none"> • minimum 	0.75 mm ²

<ul style="list-style-type: none"> • maximum 	16 mm ²
Connectable conductor cross-section / finely stranded / with core end processing	
<ul style="list-style-type: none"> • minimum • maximum 	0.75 mm ² 10 mm ²
Tightening torque / with screw-type terminals	
<ul style="list-style-type: none"> • minimum • maximum 	1.2 N·m 2 N·m
Position / of power supply cord	Either top or bottom

Mechanical Design

Height	90 mm
Width	18 mm
Depth	77 mm
Installation depth	70 mm
Mounting position	any
Net weight	130 g

Environmental conditions

Influence of the surrounding temperature	Max. 95% humidity
Ambient temperature	
<ul style="list-style-type: none"> • minimum • maximum 	-25 °C 55 °C
Ambient temperature / during storage	
<ul style="list-style-type: none"> • minimum • maximum 	-40 °C 75 °C
Number of test cycles / for environmental testing / acc. to IEC 60068-2-30	28

Certificates

Reference code	
<ul style="list-style-type: none"> • acc. to DIN EN 61346-2 • acc. to DIN EN 81346-2 	F F

Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

<http://www.siemens.com/lowvoltage/catalogs>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=5SV9316-6NK25>

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/5SV9316-6NK25>

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SV9316-6NK25

CAX-Online-Generator

<http://www.siemens.com/cax>

Tender specifications

<http://www.siemens.com/specifications>

