



## Fuse switch-disconnector, 100A, 1Np, 22x58 size

Part no. **VLC22-1P+N**  
Article no. **285367**

### Delivery program

			For cylindrical fuses
			Up to 100 A Without flashing function
Size			22 x 58
Number of poles			1 + N

### Technical data

#### Electrical

Number of poles			1P 1P+N 2P 3P 3P+N
Rated operating voltage	$U_e$	V AC	690
Rated operational current	$I_e$	A	100
Rated conditional short-circuit current	$I_e$		100
Rated frequency	f	Hz	50
Utilization category			AC 21 B
Rated impulse withstand voltage	$U_{imp}$	kV	8
Fuse		W	gG: 9.5, aM: 7

#### Mechanical

Standard front dimension		mm	45
Enclosure height		mm	121
Mounting width		mm	36/per pole
Weight		g	1P 160 1P+N 355 2P 310 3P 480 3P+N 680
Mounting			Quick attachment for top-hat rail IEC/EN 60715
Degree of protection			
Integrated			IP20
Terminals			Lift terminals
Terminal capacities		mm <sup>2</sup>	
Solid		mm <sup>2</sup>	2.5 - 35
Temperature range		°C	-25 ... +60
Specified tightening torque for terminal screws			
Tightening torque		Nm	max. 2.5
Overtoltage category/pollution degree			-/1
Track resistance			CTI 400

### Design verification as per IEC/EN 61439

Technical data for design verification			
Rated operational current for specified heat dissipation	$I_n$	A	100
Heat dissipation per pole, current-dependent	$P_{vid}$	W	0
Equipment heat dissipation, current-dependent	$P_{vid}$	W	9.5
Static heat dissipation, non-current-dependent	$P_{vs}$	W	0
Heat dissipation capacity	$P_{diss}$	W	0
Operating ambient temperature min.		°C	-25
Operating ambient temperature max.		°C	55
			0

## Technical data ETIM 6.0

Low-voltage industrial components (EG000017) / Fuse switch disconnecter (EC001040)

Electric engineering, automation, process control engineering / Low-voltage switch technology / Off-load switch, circuit breaker, control switch / Fuse switch disconnecter (ec1@ss8.1-27-37-14-01 [AKF058010])

Version as main switch		No
Version as safety switch		Yes
Max. rated operation voltage Ue AC	V	690
Rated permanent current Iu	A	100
Rated operation power at AC-23, 400 V	kW	0
Conditioned rated short-circuit current Iq	kA	100
Rated short-time withstand current Icw	kA	1.2
Suitable for fuses		Not applicable
Number of poles		2
With error protection		No
Type of electrical connection of main circuit		Screw connection
Suitable for ground mounting		Yes
Suitable for front mounting 4-hole		No
Suitable for busbar mounting		No
Type of control element		Rocker lever
Position control element		Front side
Motor drive optional		No
Motor drive integrated		No
Version as emergency stop installation		No
Degree of protection (IP), front side		IP20

## Dimensions



