

CIRCUIT BREAKER 3VT2 HIGH BREAKING CAPACITY ICU=65KA, 415V AC 3-POLE; CIRCUIT BREAKER W/O OVERCURRENT RELEASE W/O AUXILIARY TRIP UNIT W/O AUXILIARY/ALARM SWITCH WITHOUT AUXILIARY RELEASE WITHOUT AUXILIARY/ALARM SWITCH



Figure similar

Model	
product brandname	SENTRON
Product designation	3VT1_5 molded case circuit breakers
Design of the operating mechanism	toggle handle
Type of the driving mechanism / motor drive	No

General technical data	
Number of poles	3
Size of the circuit-breaker	3VT2
Electrical endurance (switching cycles) / typical	3 000
Usage category	A
Performance class for circuit breaker	H
Mechanical service life (switching cycles) / typical	30 000
Operating frequency / maximum	120 1/h

Voltage	
Insulation voltage / rated value	690 V
Surge voltage resistance / rated value	8 kV

Protection class	
Protection class IP	IP40
Dissipation	
Power loss [W]	
<ul style="list-style-type: none"> for rated value of the current / at AC / in hot operating state / per pole 	6 W
<ul style="list-style-type: none"> maximum 	18 W
Electricity	
Continuous current / rated value	250 A
Derating temperature / for the rated value of the continuous current	70 °C
Main circuit	
Operating frequency	
<ul style="list-style-type: none"> 1 / rated value 	50 Hz
<ul style="list-style-type: none"> 2 / rated value 	60 Hz
Operating voltage	
<ul style="list-style-type: none"> rated value / maximum 	690 V
<ul style="list-style-type: none"> for main current circuit / at AC / at 50 Hz / maximum 	690 V
<ul style="list-style-type: none"> for main current circuit / at AC / at 60 Hz / maximum 	690 V
<ul style="list-style-type: none"> for main current circuit / at DC / maximum 	440 V
Operating current	
<ul style="list-style-type: none"> at 40 °C / rated value 	250 A
<ul style="list-style-type: none"> at 50 °C / rated value 	250 A
<ul style="list-style-type: none"> at 55 °C / rated value 	250 A
<ul style="list-style-type: none"> at 60 °C / rated value 	250 A
<ul style="list-style-type: none"> at 65 °C / rated value 	250 A
<ul style="list-style-type: none"> at 70 °C / rated value 	250 A
Suitability	
Suitability for use	Contact unit without release
<ul style="list-style-type: none"> Disconnecting means 	Yes
Product details	
Product component	
<ul style="list-style-type: none"> Trip indicator 	No
<ul style="list-style-type: none"> Auxiliary switch 	No
<ul style="list-style-type: none"> Voltage trigger 	No
<ul style="list-style-type: none"> undervoltage release 	No
<ul style="list-style-type: none"> undervoltage release with leading contact 	No
Product extension / optional / motor drive	Yes

Product function

Product function

- | | |
|---|----|
| • Ground fault protection | No |
| • for neutral conductors / Short-circuit and overload proof | No |
| • Phase failure detection | No |
| • Overload protection | No |

Short circuit

Operational short-circuit current breaking capacity (Ics)

- | | |
|--------------------------|-------|
| • at 240 V / rated value | 50 kA |
| • at 415 V / rated value | 36 kA |
| • at 500 V / rated value | 13 kA |
| • at 690 V / rated value | 8 kA |

Maximum short-circuit current breaking capacity (Icu)

- | | |
|--------------------------|--------|
| • at 240 V / rated value | 100 kA |
| • at 415 V / rated value | 65 kA |
| • at 500 V / rated value | 25 kA |
| • at 690 V / rated value | 13 kA |

Connections

- | | |
|---|----------------------|
| Arrangement of electrical connectors / for main current circuit | front side |
| Type of electrical connection / for main current circuit | screw-type terminals |

Mechanical Design

- | | |
|-------------------|---|
| Height | 225 mm |
| Width | 105 mm |
| Depth | 117 mm |
| Mounting position | with vertical mounting surface +/-180° rotatable, with vertical mounting surface +/- 30° tiltable to the front and back |
| Mounting type | fixed mounting |
| Net weight | 3.333 kg |

Environmental conditions

Ambient temperature

- | | |
|------------------------------|--------|
| • during operation / minimum | -40 °C |
| • during operation / maximum | 70 °C |
| • during storage / minimum | -40 °C |
| • during storage / maximum | 70 °C |

Certificates

Equipment marking

- | | |
|--------------------------|---|
| • acc. to DIN EN 61346-2 | Q |
| • acc. to DIN EN 81346-2 | Q |

