



HA457

Load break switch 4P 400A

Technical properties

Arc	le i i			
Arc	nn	cec	tu	re

Type of pole 4 F Type of case Fixed built-in Type of case Fixed built-in Type of case Fixed built-in Functions Reversing switch No Controls and indicators Motor drive integrated No Main electrical features Rated operational voltage Ue 380 / 415 V Voltage Rated insulation voltage II 1000 V Rated insulation voltage II 1000 V Rated insulation voltage No Rated operational current in AC21category A Rated operational current with AC22 Rated operational current II 100 A Rated current Rated current II 100 A Rated operational current with gl-gG fuses Rated short-time withstand current 1s 9 kA Rated short-time withstand current 1s 9 kA Rated operational current in AC21 category A Rated operational current in AC22 category B Rated operational current in AC23 category A Racceptable current rating with AC23 Rated operational current in AC23 category B Rated operational current rating with AC23 Rated operational current r	Type of order	Long thumb-grip
Fixed built-in Fixed built-in Fixed built-in Fixed built-in Fornations Reversing switch No Controls and indicators Motor drive integrated No Main electrical features Rated operational voltage Ue 380 / 415 voltage Rated insulation voltage 1000 voltage 8000 volta	Number of poles	4 P
Functions Reversing switch No Controls and indicators Motor drive integrated No Main electrical features Rated operational voltage Ue 380 / 415 V Voltage Rated insulation voltage 1000 V Rated impulse withstand voltage 8000 V Electric current Rated operational current in AC21category 300 Acceptable current rating with AC22 category A 400 A Rated current Short-circuit current with gl-gG fuses 700 Acceptable current with gl-gG fuses 700 Acceptable current at acceptable current in AC21 category A 700 A Rated operational current in AC21 category A 700 A Rated short-time withstand current 1s 9 A Rated operational current in AC21 category A 700 A Acceptable current rating with AC22 category A 700 A Acceptable current rating with AC22 category A 700 A Acceptable current rating with AC22 category A 700 A Acceptable current rating with AC23 category B 700 A Conventional thermal current under enclosure at 40°C 400 A Conventional thermal current under enclosure at 40°C 400 A	Type of pole	4 P
Reversing switch Controls and indicators Motor drive integrated Main electrical features Rated operational voltage Ue Rated insulation voltage Rated insulation voltage Rated impulse withstand voltage Rated impulse withstand voltage Rated operational current in AC21category Acceptable current rating with AC22 Lategory A Acceptable current with gl-gG fuses Rated current Rated current Rated current with gl-gG fuses Rated short-time withstand current 1s Phermal rated current outside of housings Rated operational current in AC21 category Acceptable current rating with AC22 Lategory B Rated operational current in AC21 category Acceptable current rating with AC22 Lategory B Rated operational current in AC23 category Acceptable current rating with AC23 Lategory B Conventional thermal current under enclosure at 40°C 400 A	Type of case	Fixed built-in
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Motor drive integrated Motor	Reversing switch	No
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Rated impulse withstand voltage Rated operational current in AC21category Acceptable current rating with AC22 category A Cut off current Rated current Rated current Acceptable current with gl-gG fuses Rated short-circuit current with gl-gG fuses Rated short-time withstand current 1s Paked operational current in AC21 category Acceptable current rating with AC22 category B Rated operational current in AC23 category Acceptable current rating with AC23 category B Conventional thermal current under enclosure at 40°C 400 A	Voltage	
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Rated operational current in AC21category ACceptable current rating with AC22 Category A 400 A Cut off current 30 kA Rated current 400 A Short-circuit current with gl-gG fuses 50 kA Rated short-time withstand current 1s 9 kA Thermal rated current outside of housings 400 A Rated operational current in AC21 category 400 A Acceptable current rating with AC22 Category B 400 A Rated operational current in AC23 category 400 A Cacceptable current rating with AC22 Category B 400 A Cacceptable current rating with AC23 Category B 400 A Cacceptable current rating with AC23 Category B 400 A Cacceptable current rating with AC23 Category B 400 A Cacceptable current rating with AC23 Category B 400 A Cacceptable current rating with AC23 Category B 400 A Cacceptable current rating with AC23 Category B 400 A Conventional thermal current under enclosure at 40°C 400 A	Rated impulse withstand voltage	8000 V
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Rated current Short-circuit current with gl-gG fuses Rated short-time withstand current 1s Paked operational current in AC21 category A Acceptable current rating with AC22 category B Rated operational current in AC23 category A Acceptable current rating with AC22 category B Rated operational current in AC23 category A Conventional thermal current under enclosure at 40°C 400 A Conventional thermal current under	Acceptable current rating with AC22 category A	400 A
Short-circuit current with gI-gG fuses Rated short-time withstand current 1s 9 kA Thermal rated current outside of housings Rated operational current in AC21 category A Acceptable current rating with AC22 category B Rated operational current in AC23 category A Acceptable current rating with AC23 category B Acceptable current rating with AC23 category B Conventional thermal current under enclosure at 40°C 400 A	Cut off current	30 kA
Rated short-time withstand current 1s 9 kA Thermal rated current outside of housings Rated operational current in AC21 category A Acceptable current rating with AC22 category B Rated operational current in AC23 category A Acceptable current rating with AC23 category B Acceptable current rating with AC23 category B Acceptable current rating with AC23 category B Conventional thermal current under enclosure at 40°C 400 A	Rated current	400 A
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Acceptable current rating with AC22 category B 400 A Rated operational current in AC23 category A 400 A Acceptable current rating with AC23 category B 400 A Conventional thermal current under enclosure at 40°C 400 A	Thermal rated current outside of housings	400 A
Rated operational current in AC23 category A Comparison of the state	Rated operational current in AC21 category A	400 A
Acceptable current rating with AC23 category B 400 A Conventional thermal current under enclosure at 40°C 400 A	Acceptable current rating with AC22 category B	400 A
Conventional thermal current under enclosure at 40°C 400 A	Rated operational current in AC23 category A	400 A
enclosure at 40°C 400 A	Acceptable current rating with AC23 category B	400 A
James .	Conventional thermal current under enclosure at 40°C	400 A
rower	Power	
	Nominal power under 440/500, 50Hz	140 kW
	Nominal power under 660 V, 50 Hz	90 kW

Active power under 380/415 V, 50 Hz	132 kW
Total power loss under IN	57.6 W
Power loss per pole at In	14.4 W
Contact rating with 400 V in AC1	263 kW
Cover, door	
Interlockable	Yes
Installation, mounting	
Fixation type	Back plate monting
Connection	
Connection cross-sect. rigid cable	1x240mm²
Type of connection	Terminal
Equipment	
Number of auxiliary contacts as normally closed contact	0
Number of auxiliary contacts as normally open contact	0
Number of auxiliary contacts as change- over contact	0
Width available for insulation connection	185 mm²
Motor drive optional	No
Standards	
Standard text	IEC 60947-3
Safety	
REACH conform	Yes
RoHS conform	Yes
Halogen free	Yes
Use conditions	
Operating temperature	-2070 °C