



HI452



Change-over switch 4P 160A

Technical properties

Architecture

Type of order	Long thumb-grip
Number of poles	4 P
Type of pole	4 P
Type of case	Fixed built-in

Functions

Reversing switch	Yes
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Controls and indicators

Motor drive integrated	No
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Main electrical features

Rated operational voltage Ue	380 / 400 / 500 / 690 V
Frequency	50/60 Hz

Voltage

Rated insulation voltage	800 V
Rated impulse withstand voltage	8000 V
Rated operational voltage in DC	260 / 400 / 500 V

Electric current

Rated operational current in AC21 category B	160 A
Acceptable current rating with AC22 category A	160 A
Rated current	160 A
Short-circuit current with gI-gG fuses	100 kA
Rated short-time withstand current 1s	7 kA
Thermal rated current outside of housings	160 A
Rated operational current in AC21 category A	160 A
Acceptable current rating with AC22 category B	160 A
Rated operational current in AC23 category A	160 A
Acceptable current rating with AC23 category B	160 A

Power

Nominal power under 440/500, 50Hz	80 kW
Nominal power under 660 V, 50 Hz	110 kW

Active power under 380/415 V, 50 Hz	80 kW
Total power loss under IN	9 W
Power loss per pole at In	3.2 W
Contact rating with 400 V in AC1	105 kW
Endurance	
Electrical durability at nominal load in AC21 in operating cycles	1000
Electrical durability at nominal load in AC22 in operating cycles	200
Number of mechanical operations	10000
Cover, door	
Interlockable	Yes
Connection	
Connection cross-sect. rigid cable	50 / 95mm ²
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
Motor drive optional	No
Standards	
Standard text	IEC 60947-3
Use conditions	
Operating temperature	-20...70 °C
Air humidity protection	yes according to IEC 68-2-30
Storage/transport temperature	-40...65 °C