



HI452



Change-over switch 4P 160A

Technical characteristics

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
Version as main switch	Yes
Version as emergency stop installation	No
Version as safety switch	Yes
Version as maintenance-/service switch	Yes

Controls and indicators

Motor drive integrated	No
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Main electrical features

Rated operational voltage Ue	380 / 415 / 500 / 690 V
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Voltage

Rated insulation voltage	800 V
Rated impulse withstand voltage	8 kV
Rated operational voltage in DC	220 / 440 V

Electric current

Rated operational current in AC21category 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
Making capacity in peak short circuit	11900 A
Rated short-time withstand current Icw	12 kA
Rated short-time withstand current 1s	7 kA
Rating current 10°C according to IEC 60947	160 A
Rating current 15°C according to IEC 60947	160 A
Rating current 20°C according to IEC 60947	160 A
Rating current 25°C according to IEC 60947	160 A
Rating current 30°C according to IEC 60947	160 A
Rating current 35°C according to IEC 60947	160 A

Rating current 40°C according to IEC 60947	160 A
Rating current 45°C according to IEC 60947	144 A
Rating current 5°C according to IEC 60947	160 A
Rating current 50°C according to IEC 60947	144 A
Rating current 55°C according to IEC 60947	128 A
Rating current 60°C according to IEC 60947	128 A
Rating current 65°C according to IEC 60947	112 A
Rating current 70°C according to IEC 60947	112 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
Conventional thermal current under enclosure at 40°C	160 A
Dimensions	
Depth of installed product	218 mm
Height of installed product	135 mm
Width of installed product	251 mm
Power	
Contact rating with 400 V in AC1	105 kW
Cover, door	
Interlockable	Yes
Materials	
Toggle colour	Black
Installation, mounting	
Suitable for front mounting center	No
Suitable for front mounting	No
Suitable for ground mounting	Yes
Connection	
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 ; IEC 60947-6

Safety

REACH conform

Yes

RoHS conform

Yes