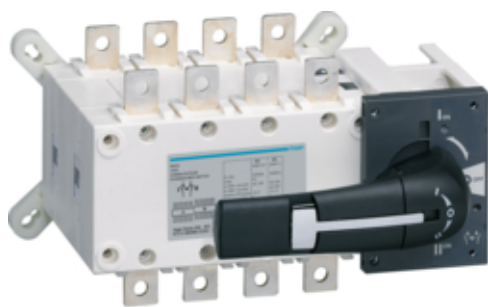
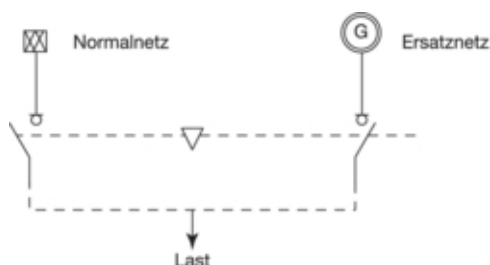




Change-over switch 4P 160A

HI452



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
Version as switch disconnecter compact	yes

Controls and indicators

Motor drive integrated	no
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Main electrical features

Rated operational voltage Ue	380/690 V
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Voltage

Rated insulation voltage	800 V
Rated impulse withstand voltage	8 kV
Rated operational voltage in DC	260/500 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 gl-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 150°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

Technical Properties

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

Power

Contact rating with 400 V in AC1	105 kW
Rated operation power at AC-23, 400 V	72 kW

Cover, door

Interlockable	yes
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Dimensions

Depth of installed product	218 mm
Height of installed product	135 mm
Width of installed product	251 mm

Installation, mounting

Suitable for front mounting center	no
Suitable for distribution board installation	yes
Suitable for front mounting	no
Suitable for ground mounting	yes
Suitable for intermediate mounting	no

Connection

Type of connection	Terminal
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Equipment

Motor drive optional	no
With optional voltage release	no

Standards

Standard text	IEC 60947-3
European directive WEEE	concerned
Product categories described in the W3E directive 2012/19/EU	Category 5

Safety

Protection index IP	IP00
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