



HI454



## Change-over switch 4P 250A

### 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 AC21category B	250 A
Acceptable current rating with AC22 category A	250 A
Rated current	250 A
Short-circuit current with gI-gG fuses	50 kA
Rated short-time withstand current 1s	8 kA
Thermal rated current outside of housings	250 A
Rated operational current in AC21 category A	250 A
Acceptable current rating with AC22 category B	250 A
Rated operational current in AC23 category A	250 A
Acceptable current rating with AC23 category B	250 A

#### Power

Nominal power under 440/500, 50Hz	160 kW
Nominal power under 660 V, 50 Hz	110 kW

Active power under 380/415 V, 50 Hz	132 kW
Total power loss under IN	17.4 W
Power loss per pole at In	5.9 W
Contact rating with 400 V in AC1	164 kW
<b>Endurance</b>	
Electrical durability at nominal load in AC21in operating cycles	1000
Electrical durability at nominal load in AC22 in operating cycles	200
Number of mechanical operations	10000
<b>Cover, door</b>	
Interlockable	Yes
<b>Connection</b>	
Connection cross-sect. rigid cable	95 / 150mm <sup>2</sup>
Type of connection	Terminal
<b>Equipment</b>	
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
<b>Standards</b>	
Standard text	IEC 60947-3
<b>Safety</b>	
REACH conform	Yes
RoHS conform	Yes
<b>Use conditions</b>	
Air humidity protection	yes according to IEC 68-2-30