



HI405R



Modular change-over switch 100A

Technical properties

Architecture

Type of order	Short 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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Configuration

Number of modules	12
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Controls and indicators

Motor drive integrated	No
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Main electrical features

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

Voltage

Rated insulation voltage	800 V
Rated impulse withstand voltage	8000 V
Rated operational voltage in DC	220 V

Electric current

Rated operational current in AC21category B	100 A
Acceptable current rating with AC22 category A	100 A
Rated current	100 A
Short-circuit current with gI-gG fuses	100 kA
Rated short-time withstand current 1s	2.5 kA
Thermal rated current outside of housings	100 A
Rated operational current in AC21 category A	63 A
Acceptable current rating with AC22 category B	100 A
Rated operational current in AC23 category A	63 A
Acceptable current rating with AC23 category B	100 A

Power

Nominal power under 440/500, 50Hz	63 kW
Nominal power under 660 V, 50 Hz	33 kW
Active power under 380/415 V, 50 Hz	51 kW
Total power loss under IN	9.3 W
Power loss per pole at In	3.1 W
Contact rating with 400 V in AC1	65 kW

Endurance

Electrical durability at nominal load in AC21 in operating cycles	1000
Electrical durability at nominal load in AC22 in operating cycles	300
Number of mechanical operations	10000

Cover, door

Interlockable	Yes
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Connection

Connection cross-sect. rigid cable	4 / 50mm ²
Type of connection	with screw

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
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Safety

REACH conform	Yes
RoHS conform	Yes
Halogen free	No

Use conditions

Operating temperature	-20...70 °C
Air humidity protection	yes according to IEC 68-2-30
Storage/transport temperature	-40...65 °C