HHJ251DR

Moulded Case Circuit Breaker h3 x630 TM ADJ 4P4D N0-100% 250A 25kA FTC

Technical characteristics

Architecture

Type of order	Toggle
Neutral position	left
Number of protected poles	4
Number of poles	4 P
Type of pole	4P4D N:0/100%
Type of case	Fixed built-in

Functions

Complete device with protection unit	Yes
Version as main switch	Yes
Version as emergency stop installation	No
Version as safety switch	No
Version as maintenance-/service switch	Yes
Trip Unit	TM A/A
Integrated earth fault protection	No
Concurrently switching N-neutral	Yes

Controls and indicators

Motor drive integrated	No

Main electrical features

Rated operational voltage Ue	220 / 415 V
Type of supply voltage	AC
Frequency	50/60 Hz

Voltage

Rated insulation voltage	800 V
Rated impulse withstand voltage	8 kV
With under voltage release	No

Electric current

Rated current	250 A
Thermal protection nob setting xIN	0.63 / 0.8 / 1
Rating current 10°C according to IEC 60947	293.3 A
Rating current 15°C according to IEC 60947	288.2 A
Rating current 20°C according to IEC 60947	283.1 A
Rating current 25°C according to IEC 60947	277.8 A
Rating current 30°C according to IEC 60947	272.5 A

Rating current 35°C according to IEC 60947	267.1 A
Rating current 40°C according to IEC 60947	261.5 A
Rating current 45°C according to IEC 60947	255.8 A
Rating current 50°C according to IEC 60947	250 A
Rating current 55°C according to IEC 60947	244.1 A
Rating current 60°C according to IEC 60947	238 A
Rating current 65°C according to IEC 60947	231.7 A
Rating current 70°C according to IEC 60947	225.3 A
Breaking capacity on 1 pole for IT 230V NF 60947-2	10 kA
Breaking capacity on 1 pole for IT 400V NF 60947-2	10 kA
Breaking capacity on 1 pole for IT 415V NF 60947-2	10 kA
Rated ultimate short-circuit breaking capacity Icu under 230V AC IEC 60947-2	35 kA
Rated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-2	35 kA
Rated ultimate short-circuit breaking capacity Icu under 400V AC IEC 60947-2	25 kA
Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2	25 kA
Range of the thermal adjustment	160 / 200 / 250 A
Rated ultimate short-circuit breaking capacity Icu under 220V AC IEC 60947-2	35 kA
Rated ultimate short-circuit breaking capacity Icu under 380V AC IEC 60947-2	25 kA

Dimensions

Depth of installed product	150 mm
Height of installed product	260 mm
Width of installed product	185 mm

Frequency

Frequency	50 to 60 Hz

Power

Power loss per pole at 0.63*In	9.4 W
Power loss per pole at 0.8*In	15.2 W
Total power loss at 0.63*In	28.3 W
Total power loss at 0.8*In	45.7 W
Total power loss under IN	71.4 W
Power loss per pole at In	23.8 W

Tripping

Time of response when opening	10 ms

Installation, mounting

Tightening torque	18Nm
DIN rail mounting with optional adaptator	No
Suitable for front mounting	No
Suitable for ground mounting	Yes

Connection	
Connection	Front connection
Type of connection	Terminal

Protection	
Instantaneous protection (Ii): type	fixed

Cable	
Cable Material	Cu

Settings	
Range of the magnetic adjustment	1250 / 1500 / 1750 / 2000 / 2250 / 2500 A
Magnetic protection nob setting xIN	5 / 6 / 7 / 8 / 9 / 10

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	Yes
Can be accessorized	Yes

Use cases	
Category of use	A

Standards	
Standard text	IEC 60947-2

Safety	
REACH conform	Yes
RoHS conform	Yes
Halogen free	No

Use conditions	
Degree of pollution according to IEC 60664 / IEC 60947-2	3
Altitude	2000 m

temperatur	
Temperature of calibration	50 °C