

Protection Equipment

Introduction

Overview



3RV10



3RV13

Type

starter protectors up to 800 A

Applications

Starter combinations

--

✓

Motor protection

✓

--

Switching capacity

Standard switching capacity

Standard switching capacity

Increased switching capacity

Size

3RV10 63

3RV10 73

3RV10 83

3RV13 53

3RV13 63

3RV13 73

3RV13 83

3RV13 64

3RV13 74

Rated current I_n

A

100, 160, 200

400

630

1 ... 32

100, 160, 250

400, 630

630, 800

100, 160, 250

400

Rated operational voltage U_n according to IEC

V

690 AC

690 AC

Rated frequency

Hz

50/60

50/60

Trip class

CLASS 10A
CLASS 10
CLASS 20
CLASS 30

CLASS 10

Thermal overload release

A

0.11 ... 0.16 up to 80 ... 100

None¹⁾

Electronic trip units

A multiple of the rated current

adjustable, 6 ... 13 times

non-adjustable
1 A ... 12.5 A:
13 times;
adjustable
20 A, 32 A:
6 ... 12 times

1 ... 10 times

Short-circuit breaking capacity I_{cu} at 400 V AC

kA

120

120

100

85

120

120

100

200

200

Trip unit

TU 4

TU 1:
1 A ... 12.5 A;
TU 2:
20 A, 32 A

TU 3

Accessories

for molded case motor starter protectors

3RV10 63

3RV10 73

3RV10 83

3RV13 53

3RV13 63

3RV13 73

3RV13 83

3RV13 64

3RV13 74

Auxiliary switches

✓

✓

✓

✓

✓

✓

✓

✓

✓

Undervoltage trip units

✓

✓

✓

✓

✓

✓

✓

✓

✓

Shunt trip units

✓

✓

✓

✓

✓

✓

✓

✓

✓

Rotary operating mechanisms

✓

✓

✓

✓

✓

✓

✓

✓

✓

Connection method

• Front-extended terminals

✓

✓

--

✓

✓

✓

--

✓

✓

• Front-accessible cable terminals

✓

✓

✓

✓

✓

✓

✓

✓

✓

• Rear-accessible terminals

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓ Has this function or can use this accessory

-- Does not have this function or cannot use this accessory

¹⁾ For overload protection of the motors, appropriate overload relays must be used; see "overload relays".