

## 6.6 Motor protection with overload relay function

3RV21 motor starter protectors with overload relay function have the same overload and short-circuit release characteristic as 3RV20 motor starter protectors. However, the overload releases have no effect on the motor starter protectors' breaker latching mechanism. In the event of an overload, the motor starter protector remains on.

The overload release is linked to two auxiliary contacts (1 NO contact + 1 NC contact) mounted on the side; these are switched in the event of an overload. The auxiliary contacts can be evaluated or can be used to disconnect a downstream contactor. The auxiliary contacts are reset automatically once the motor starter protector has cooled down.

### CAUTION

In the overload range the motor starter protector with overload relay function does not protect itself. Provision has to be made, therefore, to ensure that the current is safely disconnected by a downstream switching device such as a contactor.

### Note

#### Fixed connection: Auxiliary contacts with motor starter protector

The auxiliary contacts are connected to the right-hand side of the motor starter protector. The connection is fixed and cannot be removed.

This means that auxiliary releases cannot be mounted on the right-hand side of 3RV21 motor starter protectors with overload relay function.

## Reference

More information ...	Can be found in the chapter titled ...
About motor starter protector operation	Operation (Page 109)