



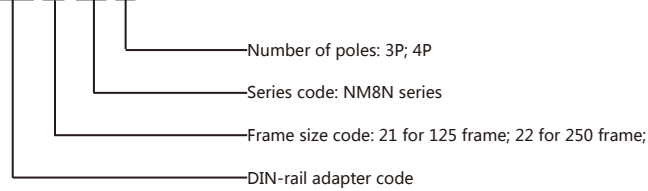
### 9.22 DRA DIN-rail adapter

#### 9.22.1 Function

Adapt to the body and can be mounted on a 35mm standard DIN rail

#### 9.22.2 Model description

DRA 21-M8 3P



### 9.23 COMA communication module

#### 9.23.1 Function

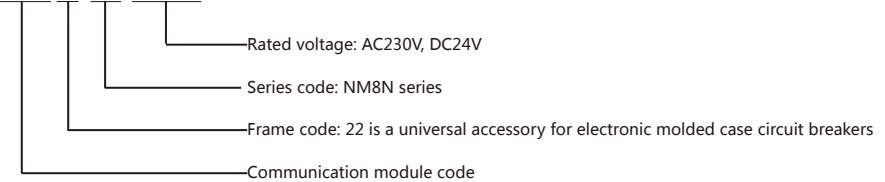
The COMA communication module is an interface module for the communication between the electronic plastic case circuit breaker and the bus system, and performs communication and relay control output. Combined with the Modbus-RTU communication protocol, this communication module can easily establish a connection with a fieldbus master device to achieve three remote or four remote functions.

The technical parameters are as follows:

- Rated voltage: AC230V or DC24V (error range  $\pm 15\%$ )
- Communication type: RS485 (Modbus-RTU protocol)
- Contact capacity: AC250V / 3A; DC30V / 3A
- Transmission medium: shielded twisted pair
- Transmission distance: 1.2km (using category A shielded twisted pair)
- Working status indication: LED indication
- Number of stations: 1 station

#### 9.23.2 Model description

COMA22-M8 DC24V



#### 9.23.3 Communication solution

Solutions	Achievable function	Required products and accessories	Note
Solution 1	Remote measure	NM8N basic or standard electronic molded case circuit breaker; COMA22-M8 communication module.	1. Read phase current
Solution 2	Remote measure Remote signal	NM8N basic or standard electronic moulded case circuit breaker; COMA22-M8 communication module; AX auxiliary contact (optional, indicating opening and closing status); AL alarm contact (optional, indicating trip status).	1. Read phase current 2. Indicate circuit breaker position information (open, closed, trip status)
Solution 3	Remote measure Remote signal Remote control	NM8N basic or standard electronic moulded case circuit breaker; COMA22-M8 communication module; AX auxiliary contact (optional, indicating opening and closing status); AL alarm contact (optional, indicating trip status); MOD electric operation mechanism.	1. Read phase current 2. Indicate circuit breaker position information (open, closed, trip status) 3. Control circuit breaker opening and closing
Solution 4	Remote measure Remote signal Remote control Remote adjustment	NM8N standard electronic molded case circuit breaker; COMA22-M8 communication module; AX auxiliary contact (optional, indicating opening and closing status); AL alarm contact (optional, indicating trip status); MOD electric operation mechanism.	1. Read phase current 2. Indicate circuit breaker position information (open, closed, trip status) 3. Control circuit breaker opening and closing 4. Adjust the internal parameter settings of the controller (only for standard specifications. For details, please refer to the communication protocol).