

ET 200pro ASm 400 V Disconnection module 400 V to 25 A for safe switching-off up to Category 3/4 Han Q4/2



|                          |                             |
|--------------------------|-----------------------------|
| Product brand name       | SIMATIC                     |
| Product designation      | Motor starters              |
| Design of the product    | safety disconnecting module |
| Product type designation | ET 200pro                   |

| General technical data   |             |
|--|-------------|
| Product function   |             |
| • on-site operation  | No          |
| Degree of pollution  | 3           |
| Surge voltage resistance rated value   | 6 kV        |
| maximum permissible voltage for safe isolation                                   |             |
| • between main and auxiliary circuit   | 400 V       |
| Protection class IP  | IP65        |
| Shock resistance   | 15g / 11 ms |
| Type of assignment   | 1           |
| Reference code acc. to DIN 40719 extended according to IEC 204-2 acc. to IEC 750 | A           |
| Reference code acc. to DIN EN 81346-2  | Q           |
| Reference code acc. to DIN EN 61346-2  | Q           |
| Product component Motor brake output   | No          |

|  |    |
|--|----|
| <b>Product feature</b>                           |    |
| • brake control with 230 V AC                    | No |
| • brake control with 400 V AC                    | No |
| • brake control with 24 V DC                     | No |
| • brake control with 180 V DC                    | No |
| • brake control with 500 V DC                    | No |
| <b>Product function Short circuit protection</b> | No |

#### Safety related data

|   |                    |
|---|--------------------|
| <b>Safety device type acc. to IEC 61508-2</b>                             | Type A             |
| <b>Safety Integrity Level (SIL) acc. to IEC 61508</b>                     | 3                  |
| <b>Stop category acc. to DIN EN 60204-1</b>                               | 0                  |
| <b>Safe failure fraction (SFF)</b>  | 99 %               |
| <b>PFHD with high demand rate acc. to EN 62061</b>                        | 0.000000000054 1/h |
| <b>MTTFd</b>  | 100 y              |
| <b>Hardware fault tolerance acc. to IEC 61508</b>                         | 1                  |
| <b>T1 value for proof test interval or service life acc. to IEC 61508</b> | 10 y               |
| <b>Safe state</b>   | Load circuit open  |
| <b>Protection against electrical shock</b>                                | finger-safe        |

#### Main circuit

|   |                   |
|---|-------------------|
| <b>Number of poles for main current circuit</b>                                   | 3                 |
| <b>Design of the switching contact</b>  | electromechanical |
| <b>Adjustable pick-up value current of the current-dependent overload release</b> | 25 ... 25 A       |
| <b>Type of voltage</b>  | AC                |
| <b>Operating voltage</b>  |                   |
| • rated value   | 200 ... 400 V     |
| <b>Operating range relative to the operating voltage at AC</b>                    |                   |
| • at 50 Hz  | 200 ... 440 V     |
| <b>Operating current</b>  |                   |
| • at AC at 400 V rated value  | 25 A              |
| • at AC-3   |                   |
| — at 400 V rated value  | 25 A              |

#### Inputs/ Outputs

|                                   |    |
|-----------------------------------|----|
| <b>Product function</b>           |    |
| • digital inputs parameterizable  | No |
| • digital outputs parameterizable | No |
| <b>Number of digital inputs</b>   | 0  |
| <b>Number of sockets</b>          |    |
| • for digital output signals      | 0  |
| • for digital input signals       | 0  |

| Supply voltage                                  |                   |
|---|-------------------|
| Type of voltage of the supply voltage           | DC                |
| Supply voltage 1 at DC                          | 24 ... 24 V       |
| Supply voltage 1 at DC rated value              |                   |
| • minimum permissible                           | 20.4 V            |
| • maximum permissible                           | 28.8 V            |
| Control circuit/ Control                        |                   |
| Type of voltage of the control supply voltage   | DC                |
| Control supply voltage at DC                    |                   |
| • rated value                                   | 20.4 ... 28.8 V   |
| Control supply voltage 1                        |                   |
| • at DC rated value                             | 20.4 ... 28.8 V   |
| • at DC   | 24 ... 24 V       |
| Installation/ mounting/ dimensions              |                   |
| Mounting position                               | any               |
| Mounting type                                   | screw fixing      |
| Height  | 230 mm            |
| Width   | 110 mm            |
| Depth   | 150 mm            |
| Ambient conditions                              |                   |
| Installation altitude at height above sea level |                   |
| • maximum                                       | 3 500 m           |
| Relative humidity during operation              | 5 ... 95 %        |
| Communication/ Protocol                         |                   |
| Protocol is supported                           |                   |
| • PROFIBUS DP protocol                          | Yes               |
| • PROFINET protocol                             | Yes               |
| Design of the interface                         |                   |
| • PROFINET protocol                             | Yes               |
| Product function Bus communication              | Yes               |
| Protocol is supported                           |                   |
| • AS-Interface protocol                         | No                |
| Product function                                |                   |
| • supports PROFINET measured values             | No                |
| • supports PROFINET shutdown                    | No                |
| address range memory of address range           |                   |
| • of the inputs                                 | 1 byte            |
| • of the outputs                                | 0 byte            |
| Type of electrical connection                   |                   |
| • of the communication interface                | via backplane bus |

## Connections/ Terminals

|  |   |
|--|---|
| <b>Type of electrical connection</b> <ul style="list-style-type: none"> <li>• 1 for digital input signals</li> <li>• 2 for digital input signals</li> <li>• 3 for digital input signals</li> <li>• 4 for digital input signals</li> </ul>  | M12 socket<br>M12 socket<br>M12 socket<br>M12 socket  |
| <b>Type of electrical connection</b> <ul style="list-style-type: none"> <li>• at the manufacturer-specific device interface</li> <li>• for main energy infeed</li> <li>• for load-side outgoing feeder</li> <li>• for main energy transmission</li> <li>• for supply voltage line-side</li> <li>• for supply voltage transmission</li> </ul> | optical interface<br>socket according to ISO23570<br>socket according to ISO23570<br>socket according to ISO23570<br>via backplane bus<br>via backplane bus |

## UL/CSA ratings

|  |       |
|--|-------|
| <b>Operating voltage</b> <ul style="list-style-type: none"> <li>• at AC at 60 Hz acc. to CSA and UL rated value</li> </ul> | 600 V |
|--|-------|

## Certificates/ approvals

| General Product Approval   | EMC  | Declaration of Conformity   |
|--|--|---|
| <br>CCC | <br>EAC | <br>EG-Konf. |
| <br>CSA | <br>UL  | <br>RCM      |

| Test Certificates                                  | other                        |
|--|------------------------------|
| <a href="#">Type Test Certificates/Test Report</a> | <a href="#">Confirmation</a> |

## Further information

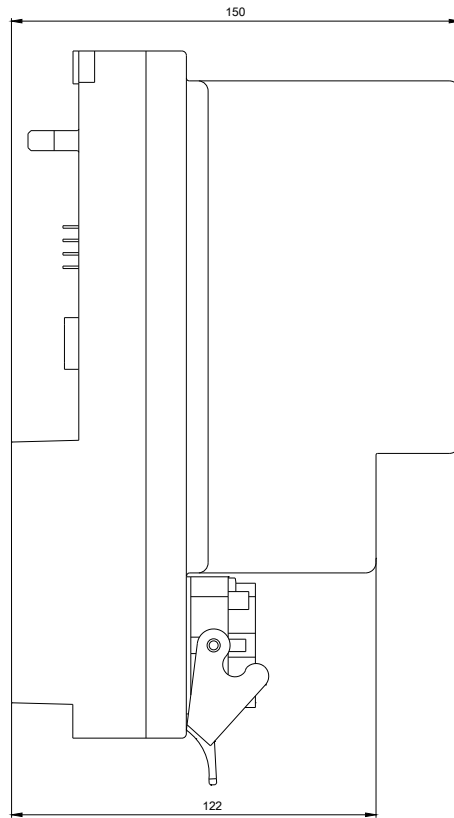
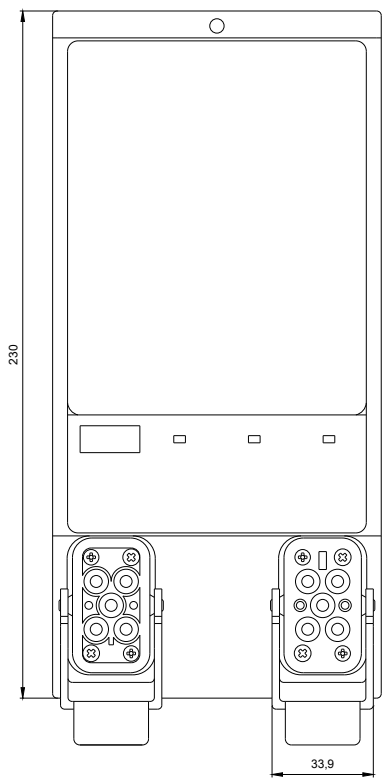
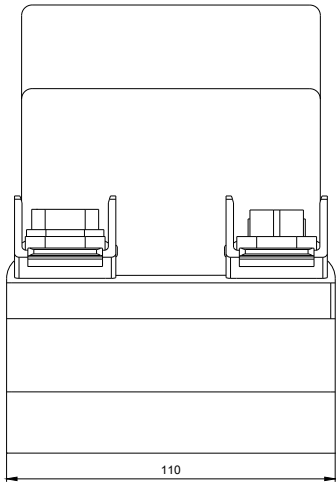
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**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)**  
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