



## Circuit Interruptor P1-25 (UK)

Part no.

P1-25/EA/SVB-SW/HI11

Article no.

070194



Front IP 65

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### Delivery programme

|   |                      | Without Emergency-Stop function |  |
|---|----------------------|---------------------------------|--|
|   |                      | With auxiliary contacts         |  |
| Contact sequence  |                      |                                 | <pre> 1 0 1 0 1 0 0 1 0 1 0 1 1 0 1 0 1 0 2 0 3 0 4 0 5 0 6 0 13 0 14 0 21 0 22 0 </pre> |
| Main conducting paths   |                      |                                 |  |
| No. of poles  |                      | M                               | 3  |
| Auxiliary contacts  |                      | N/O                             | 1  |
|   |                      | B                               | 1  |
| Max. motor rating   |                      |                                 |  |
| AC-23A  |                      |                                 |  |
| 400/415 V<br>50-60 Hz   | <i>P</i>             | kW                              | 13   |
| Rated uninterrupted current   | <i>I<sub>u</sub></i> | A                               | 25   |
| Design  |                      |                                 | Flush mounting   |
| Note for table header With black rotary handle and locking collar, lockable in the 0 position |                      |                                 |  |

### General

|   |                                |               |   |
|---|--------------------------------|---------------|---|
| Standards                                     |                                |               | IEC/EN 60947, VDE 0660, IEC/EN 60204, CSA, UL switch disconnector according to IEC/EN 60947-3 |
| Lifespan, mechanical                          | Operations                     | $\times 10^6$ | 0.3   |
| Maximum operating frequency                   | Operations/h                   |               | 50  |
| Climatic proofing                             |                                |               | Damp heat, constant, to IEC 60068-2-78; Damp heat, cyclical, to IEC 60068-2-30                |
| Ambient temperature                           |                                | °C            |   |
| Open  |                                | °C            | -25 ... 50  |
| Enclosed                                      |                                | °C            | -25 ... 40  |
| Mounting position                             |                                |               | As required   |
| Mechanical shock resistance to IEC 60068-2-27 | Half-sinusoidal shock<br>20 ms | g             | > 15  |

### Contacts

|   |                        |                  |       |
|---|------------------------|------------------|-------|
| Rated operational voltage                         | <i>U<sub>e</sub></i>   | V AC             | 690   |
| Rated impulse withstand voltage                   | <i>U<sub>imp</sub></i> | V AC             | 6000  |
| Overvoltage category/pollution degree             |                        |                  | III/3 |
| Rated uninterrupted current                       | <i>I<sub>u</sub></i>   | A                |       |
| open  | <i>I<sub>u</sub></i>   | A                | 25    |
| Enclosed  | <i>I<sub>u</sub></i>   | A                | 25    |
| Load rating with intermittent operation, class 12 |                        |                  |       |
| AB 25 % DF  |                        | $\times I_e$     | 2     |
| AB 40 % DF  |                        | $\times I_e$     | 1.6   |
| AB 60 % DF  |                        | $\times I_e$     | 1.3   |
| Short-circuit rating                              |                        |                  |       |
| Fuse  |                        | A gG/gL          | 25    |
| Rated short-time withstand current (1 s current)  | <i>I<sub>cw</sub></i>  | A <sub>rms</sub> | 640   |

|  |  |   |     |
|--|--|---|-----|
| Switching angles                       |  | ° | 90  |
| Current heat loss per contact at $I_e$ |  | W | 1.1 |

### Terminal capacities

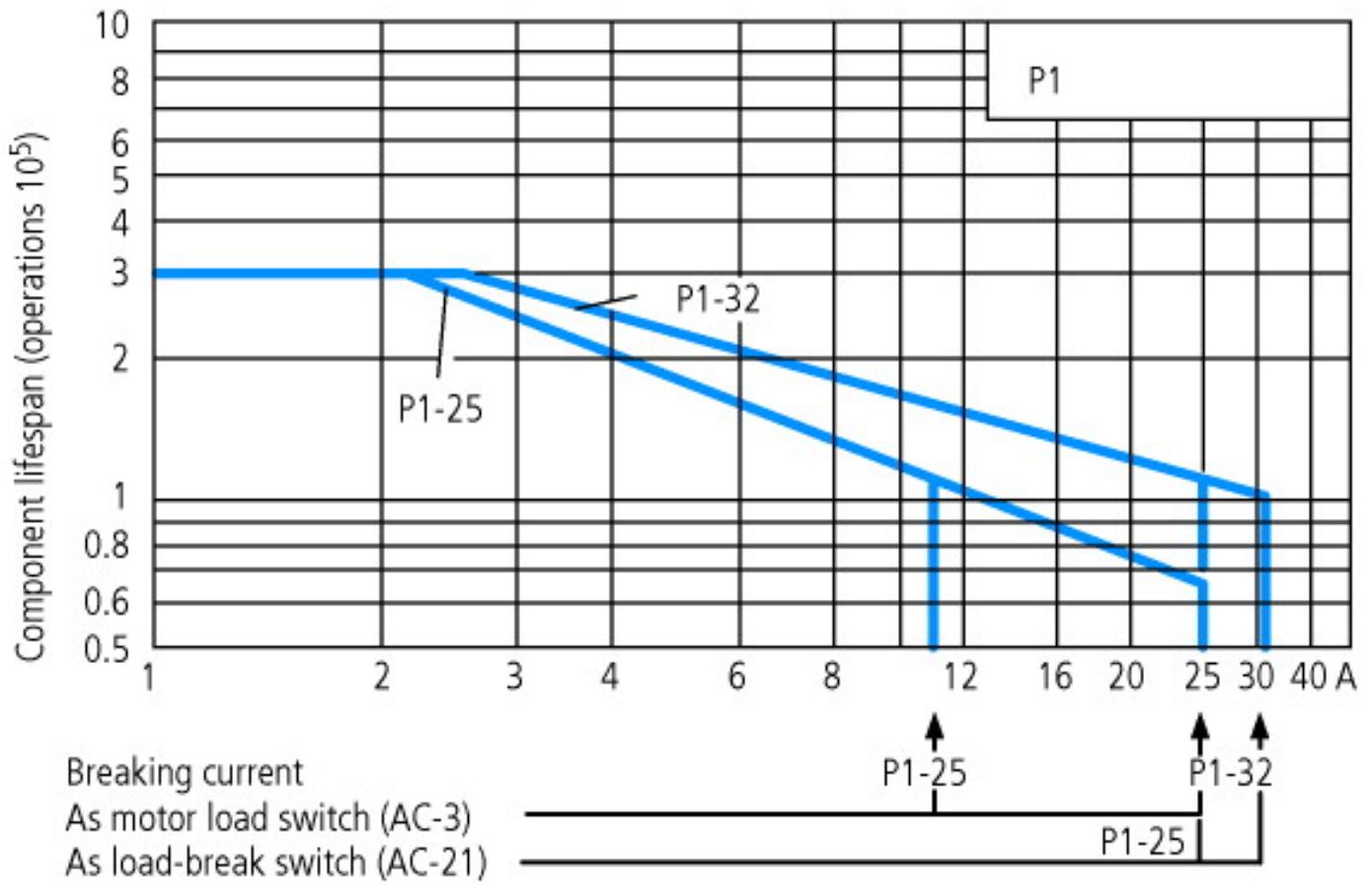
|                                    |  |                 |                                |
|------------------------------------|--|-----------------|--------------------------------|
| Solid or stranded                  |  | mm <sup>2</sup> | 1 × (1.5 – 6)<br>2 × (1.5 – 6) |
| Flexible with ferrule to DIN 46228 |  | mm <sup>2</sup> | 1 × (1 – 4)<br>2 × (1 – 4)     |
| Terminal screw                     |  |                 | M4                             |
| Tightening torque                  |  | Nm              | 1.6                            |

### Switching capacity

| AC   |       |          | × $U_s$ |
|--|-------|----------|---------|
| Rated making capacity $\cos \varphi = 0.35$                      |       | A        | 240     |
| Rated breaking capacity, motor load switch $\cos \varphi = 0.35$ |       | A        |         |
| 230 V  |       | A        | 190     |
| 400 V  |       | A        | 150     |
| 500 V  |       | A        | 170     |
| 690 V  |       | A        | 150     |
| Rated operational current 440 V load-break switch AC-21A         | $I_e$ | A        | 25      |
| AC-23A Motor load switches (main switches maintenance switches)  | P     | kW       |         |
| 230 V  | P     | kW       | 7       |
| 400 V  | P     | kW       | 13      |
| 500 V  | P     | kW       | 11      |
| 690 V  | P     | kW       | 11      |
| DC   |       |          | × $U_s$ |
| DC-1, Load-break switches L/R = 1 ms                             |       |          |         |
| Rated operational current  | $I_e$ | A        | 25      |
| Voltage per contact pair in series                               |       | V        | 60      |
| DC-23A, motor load switch L/R = 15 ms                            |       |          |         |
| 24 V   |       |          |         |
| Rated operational current  | $I_e$ | A        | 25      |
| Contacts   |       | Quantity | 1       |
| 48 V   |       |          |         |
| Rated operational current  | $I_e$ | A        | 25      |
| Contacts   |       | Quantity | 2       |
| 60 V   |       |          |         |
| Rated operational current  | $I_e$ | A        | 25      |
| Contacts   |       | Quantity | 3       |
| 120 V  |       |          |         |
| Rated operational current  | $I_e$ | A        | 12      |
| Contacts   |       | Quantity | 3       |

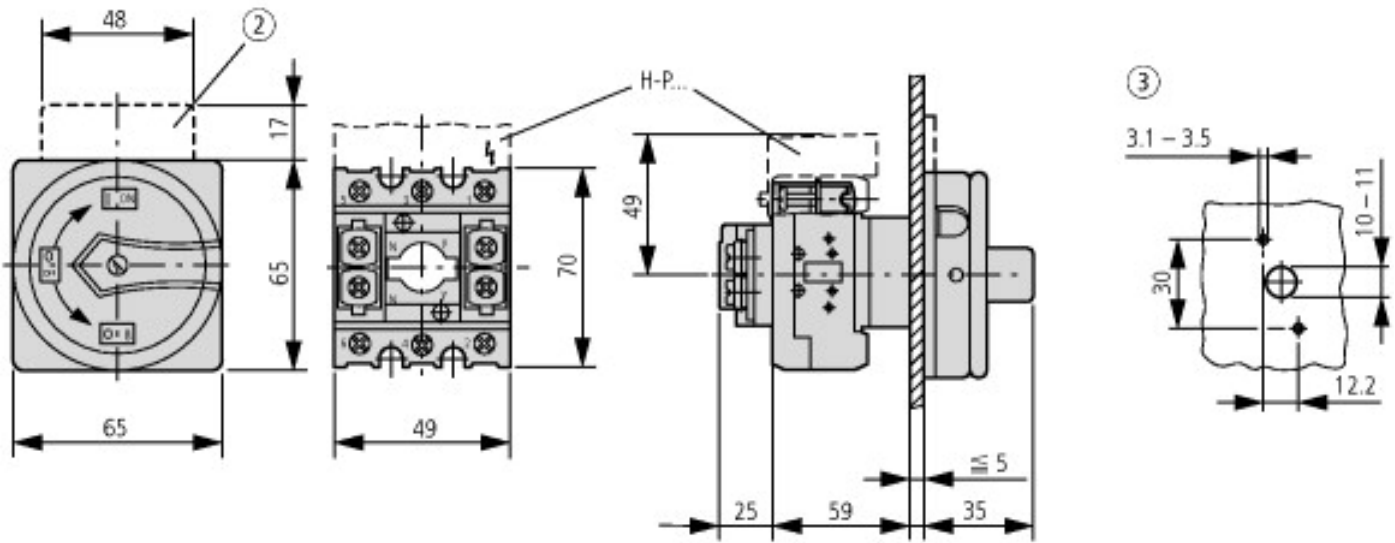
### Notes

**Notes** Main switch characteristics to IEC/EN 60204; positive opening of contacts, operator element positively located on shaft  
The rated uninterrupted current  $I_U$  is stated at max. connected cross-section.  
For terminal capacity solid, stranded and flexible:  
Max. 2 cross-section sizes difference admissible when using 2 conductors.

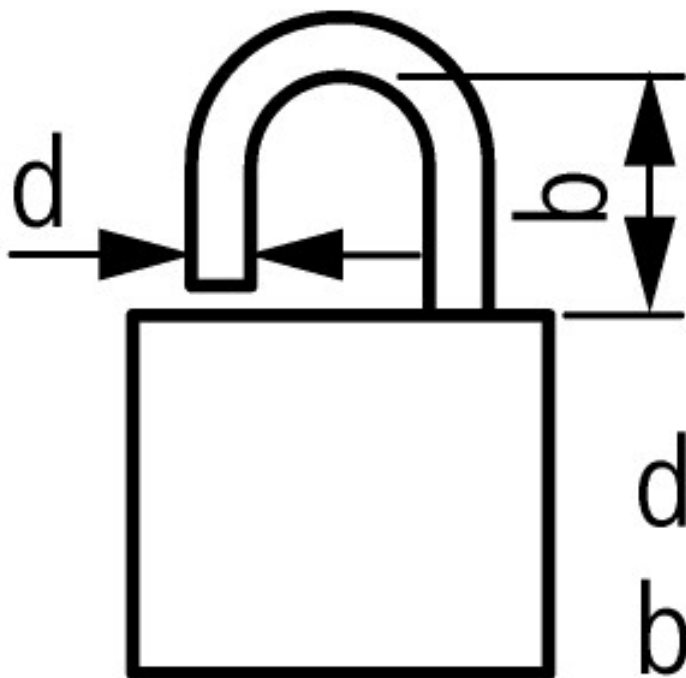


For utilisation category AC-4 (extreme load: 100 % inching, reversing or plugging)  
 The blocked rotor current of the motor should not exceed the rated current of the switch for AC-21A to ensure a reasonable device lifespan.

### Dimensions




② Not included



$$d = 4 - 8 \text{ mm}$$

$$b + d \leq 47 \text{ mm}$$

 3 padlocks

### Additional product information (links)

#### Installation instructions

AWA1150-1890 Switch-disconnector for flush mounting

[ftp://ftp.moeller.net/DOCUMENTATION/AWA\\_INSTRUCTIONS/18900808.pdf](ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/18900808.pdf)