# DATASHEET - T0-4-8343/EA/SVB-SW



Main switch, T0, 20 A, flush mounting, 4 contact unit(s), 7-pole, STOP function, With black rotary handle and locking ring



Part no. T0-4-8343/EA/SVB-SW

Catalog No. 008262

| Delivery program                       |                |                    |  |
|--|----------------|--------------------|--|
| Product range                          |                |                    | Main switch maintenance switch Repair switch   |
| Part group reference                   |                |                    | T0   |
| Stop Function                          |                |                    | STOP function  |
|  |                |                    | With black rotary handle and locking ring  |
| Number of poles                        |                |                    | 7-pole   |
| Degree of Protection                   |                |                    | Front IP65   |
| Design                                 |                |                    | flush mounting   |
|  |                |                    |  |
| Contact sequence                       |                |                    | 0 1 1 0  |
| Switching angle                        |                | 0                  | 90   |
| Design number                          |                |                    | 8343   |
| Function                               |                |                    | OFF O  |
| Motor rating AC-23A, 50 - 60 Hz        |                |                    |  |
| 400 V                                  | Р              | kW                 | 5.5  |
| Rated uninterrupted current            | I <sub>u</sub> | Α                  | 20   |
| Note on rated uninterrupted current !u |                |                    | Rated uninterrupted current $\mathbf{I}_{\mathbf{u}}$ is specified for max. cross-section. |
| Number of contact units                |                | contact<br>unit(s) | 4  |

## Technical data General

| Standards   |                  |                   | IEC/EN 60947, VDE 0660, IEC/EN 60204, CSA, UL  |
|---|------------------|-------------------|--|
|   |                  |                   | Switch-disconnector according to IEC/EN 60947-3  |
| Climatic proofing   |                  |                   | Damp heat, constant, to IEC 60068-2-78<br>Damp heat, cyclic, to IEC 60068-2-30             |
| Ambient temperature   |                  |                   |  |
| Open  |                  | °C                | -25 - +50  |
| Enclosed  |                  | °C                | -25 - +40  |
| Overvoltage category/pollution degree                                   |                  |                   | III/3  |
| Rated impulse withstand voltage   | U <sub>imp</sub> | V AC              | 6000   |
| Mechanical shock resistance   |                  | g                 | 15   |
| Mounting position   |                  |                   | As required  |
| Contacts  |                  |                   |  |
| Mechanical variables  |                  |                   |  |
| Number of poles   |                  |                   | 7-pole   |
| Electrical characteristics  |                  |                   |  |
| Rated operational voltage   | U <sub>e</sub>   | V AC              | 690  |
| Rated uninterrupted current   | I <sub>u</sub>   | Α                 | 20   |
| Note on rated uninterrupted current !u                                  |                  |                   | Rated uninterrupted current $\mathbf{I}_{\mathbf{u}}$ is specified for max. cross-section. |
| Load rating with intermittent operation, class 12                       |                  |                   |  |
| AB 25 % DF  |                  | x I <sub>e</sub>  | 2  |
| AB 40 % DF  |                  | x l <sub>e</sub>  | 1.6  |
| AB 60 % DF  |                  | x I <sub>e</sub>  | 1.3  |
| Short-circuit rating  |                  |                   |  |
| Fuse  |                  | A gG/gL           | 20   |
| Rated short-time withstand current (1 s current)                        | ı                |                   | 320  |
|   | I <sub>cw</sub>  | A <sub>rms</sub>  |  |
| Note on rated short-time withstand current lcw                          |                  | LΛ                | Current for a time of 1 second   |
| Rated conditional short-circuit current                                 | Iq               | kA                | 6  |
| Switching capacity cos φ rated making capacity as per IEC 60947-3       |                  | Α                 | 130  |
| Rated breaking capacity cos $\phi$ to IEC 60947-3                       |                  | A                 |  |
| 230 V   |                  | A                 | 100  |
| 400/415 V   |                  | A                 | 110  |
| 500 V   |                  | A                 | 80   |
| 690 V   |                  | A                 | 60   |
| Safe isolation to EN 61140  |                  | ^`                |  |
| between the contacts  |                  | V AC              | 440  |
| Current heat loss per contact at I <sub>e</sub>                         |                  | W                 | 0.6  |
| Current heat loss per auxiliary circuit at I <sub>e</sub> (AC-15/230 V) |                  | CO                | 0.6  |
|   | •                |                   |  |
| Lifespan, mechanical  | Operations       | x 10 <sup>6</sup> | > 0.4  |
| Maximum operating frequency   | Operations/h     |                   | 1200   |
| AC  |                  |                   |  |
| AC-3  |                  |                   |  |
| Rating, motor load switch   | Р                | kW                |  |
| 220 V 230 V   | Р                | kW                | 3  |
| 230 V Star-delta  | Р                | kW                | 5.5  |
| 400 V 415 V   | Р                | kW                | 5.5  |
| 400 V Star-delta  | Р                | kW                | 7.5  |
| 500 V   | Р                | kW                | 5.5  |
| 500 V Star-delta  | Р                | kW                | 7.5  |
| 690 V   | Р                | kW                | 4  |
| 690 V Star-delta  | Р                | kW                | 5.5  |
| Rated operational current motor load switch                             |                  |                   |  |
| 230 V   | I <sub>e</sub>   | Α                 | 11.5   |
|   |                  |                   | 20   |

| Map   Varience of the second part of the second p   | 400V 415 V                           | 1              | Α               | 11.5  |
|--|--------------------------------------|----------------|-----------------|---|
| SIB V Varienchane  |                                      |                |                 |   |
| S00 y san-infolia  |                                      |                |                 |   |
|  |                                      |                |                 |   |
| Mac  |                                      | l <sub>e</sub> |                 |   |
| AC2NA  Ac4SY  Ac4SY  Motor ratios AC2NA 30-40142  AC9  AC9  AC9  AC9  AC9  AC9  AC9  AC  |                                      | I <sub>e</sub> | Α               |   |
| Rule of operational current south  | 690 V star-delta                     | l <sub>e</sub> | Α               | 8.5   |
| Add  |                                      |                |                 |   |
| Montroming AC 22A, 50 - 10 14 14   |                                      |                |                 |   |
| Maint rating AC 23A, 51 -68 Hz   | 440 V                                | I <sub>e</sub> | Α               | 20  |
| 200  |                                      |                |                 |   |
| March   Marc   |                                      |                |                 |   |
| S00 V  |                                      |                |                 |   |
| Figure   Part    |                                      |                |                 |   |
| Rated operational current meter land switch   I  |                                      |                |                 |   |
| 200   1  |                                      | Р              | KVV             | 5.5   |
| 400 v 415 v  |                                      |                | ۸               | 12.2  |
|  |                                      |                |                 |   |
| BOB   Parameter    |                                      |                |                 |   |
| DC-1_tood-break switchea L/R = 1 ms         Image: Contact of the contact pair in series         Image: Contact pair in serie  |                                      |                |                 |   |
| DC-1, Loed-break switches L/R = 1 ms   |                                      | le             | А               | 7.6   |
| Rated operational current         I <sub>e</sub> A         ICC Plan  |                                      |                |                 |   |
| Voltage per contact pair in series         V         60           DC-21A         Ie         A           Rated operational current         Ie         A         1           Contacts         Contacts         V         20 usentry         1           DC-23A, motor load switch L/R = 15 ms         V         24 V         1           Contacts         V         0 usentry         1           Contacts         V         0 usentry         1           48 V         V         1         1           Rated operational current         Ie         A         10           Contacts         V         2         1           60 V         V         2         1           Rated operational current         Ie         A         10           Contacts         Outstrance         1         1         1           Contacts         Outstrance         1         0         1           Rated operational current         Ie         A         5           Contacts         Outstrance         1         0         0           Rated operational current         Ie         A         5           Rated operational current         Ie   |                                      |                |                 |   |
| DC-21A   |                                      | I <sub>e</sub> |                 |   |
| Rated operational current         Is         A         I           Contacts         Quantity         I           DC-22A, motor load switch L/R = 15 ms         V         V           24 V         V         V           Rott do operational current         Is         A         I0           Contacts         Quantity         I           Rott do operational current         Is         A         I0           Contacts         Quantity         2           60 V         V         V         V           Rated operational current         Is         A         I0           Contacts         Quantity         3         C           Rated operational current         Is         A         I         I           Contacts         Quantity         3         I         I           Rated operational current         Is         A         I   |                                      |                |                 | 60  |
| Contacts         Quantity         Quantity         1           DC-23A, motor load switch L/R = 15 ms         4         4         4           Rated operational current         Ie         A         10           Contacts         48 V         4         10           Rated operational current         Ie         A         10           Contacts         Quantity         2           60 V         4         10           Rated operational current         Ie         A         10           Contacts         Quantity         2           Contacts         Quantity         3           Rated operational current         Ie         A         5           Contacts         Quantity         3           Rated operational current         Ie         A         5           Rated operational current         Ie         A         5           Rated operational current         Ie         A         5           Contacts         Quantity         3           Contacts         Quantity         5           PC-13, Control switches L/R = 50 ms         Ye         2           Rated operational current         Ie         Ye         10     <  |                                      |                |                 |   |
| DC-23A, motor load switch L/R = 15 ms         Is   | Rated operational current            | l <sub>e</sub> |                 |   |
| Altad operational current   International current      |                                      |                | Quantity        | 1   |
| Rated operational current   I  |                                      |                |                 |   |
| Contacts   |                                      |                |                 |   |
| A8 to doperational current   Ia  |                                      | I <sub>e</sub> |                 |   |
| Rated operational current   Ia   |                                      |                | Quantity        | 1   |
| Contacts 60 V Rated operational current Rate |                                      |                |                 | 10  |
| Rated operational current  |                                      | I <sub>e</sub> |                 |   |
| Rated operational current Contacts  120 V  Rated operational current Contacts  120 V  Rated operational current Contacts  240 V  Rated operational current Contacts  DC-13, Control switches L/R = 50 ms Rated operational current Voltage per contact pair in series  Control circuit reliability at 24 V DC, 10 mA  Fault probability  Fixible with ferrules to DIN 46228  Fixible with ferrules to DIN 46228  Terminal screw  I D Quantity  I D Quantity  I D Quantity I  |                                      |                | Quantity        | 2   |
| Contacts  Rated operational current  Contacts  Quantity  A 5  Quantity  Bated operational current  A 6  Quantity  Bated operational current  A 7  Quantity  Bated operational current  A 8  Quantity  Bated operational current  A 9  Quantity  Bated operational current  A 10  Quantity  A 10  Quantity  A 10  Contacts  Control circuit reliability at 24 V DC, 10 mA  A 10  A 10  Control circuit reliability at 24 V DC, 10 mA  A 10  A 10  Control circuit reliability at 24 V DC, 10 mA  A 10  A 10  A 10  Control circuit reliability at 24 V DC, 10 mA  A 10  A 10  Control circuit reliability at 24 V DC, 10 mA  A 10  A 10  Control circuit reliability at 24 V DC, 10 mA  A 10   |                                      |                | ^               | 10  |
| 120 V Rated operational current Contacts Quantity Agree operational current Rated operational current Rated operational current Rated operational current Contacts Contacts Contacts DC-13, Control switches L/R = 50 ms Rated operational current Voltage per contact pair in series Voltage per contac | ·                                    | I <sub>e</sub> |                 |   |
| Rated operational current Contacts Quantity A 5 Quantity Rated operational current Rated operational current Rated operational current DC-13, Control switches L/R = 50 ms Rated operational current Voltage per contact pair in series Voltage per contact pair in series Rated operational current Voltage per contact pair in series Rated operational current Fault probability Rated operational current Fault probability Rated operational current Rated operational current Voltage per contact pair in series  Terminal capacities  Terminal capacities  Solid or stranded  mm² Ix (1 - 2,5) 2x (1 - 2,5) 2x (1 - 2,5) 2x (0.75 - 2.5) Xx (0.75 - 2.5 |                                      |                | Quantity        | 3   |
| Contacts  240 V  Rated operational current  Contacts  DC-13, Control switches L/R = 50 ms  Rated operational current  Voltage per contact pair in series  Control circuit reliability at 24 V DC, 10 mA  Fault probability  Terminal capacities  Solid or stranded  Terminal capacities  Terminal capacities  Terminal capacities  Terminal capacities  Solid or stranded  Terminal capacities  Terminal capacities  Terminal capacities  Solid or stranded  Terminal capacities  Terminal capacities  Terminal capacities  Terminal capacities  Solid or stranded  Terminal capacities  Termina |                                      |                | ۸               | E   |
| Rated operational current  Contacts  DC-13, Control switches L/R = 50 ms  Rated operational current  Voltage per contact pair in series  Control circuit reliability at 24 V DC, 10 mA  Fault probability  Fault probability  Terminal capacities  Solid or stranded  Final screw  Terminal screw  M3.5  |                                      | I <sub>e</sub> |                 |   |
| Rated operational current  Contacts  DC-13, Control switches L/R = 50 ms  Rated operational current  Voltage per contact pair in series  Control circuit reliability at 24 V DC, 10 mA  Fault probability  Fault probability  Terminal capacities  Solid or stranded  mm²  1 x (1 - 2,5) 2 x (1 - 2,5) 2 x (0.75 - 2.5) 2 x (0.75 - 2.5) Terminal screw  M3.5  |                                      |                | quantity        | 3   |
| Contacts  DC-13, Control switches L/R = 50 ms  Rated operational current  Voltage per contact pair in series  Control circuit reliability at 24 V DC, 10 mA  Fault probability  Fault probability  Terminal capacities  Solid or stranded  mm² 1 x (1 - 2,5) 2 x (0.75 - 2.5)  Terminal screw  M3.5  |                                      | ı              | Δ               | 5   |
| Rated operational current  Voltage per contact pair in series  Control circuit reliability at 24 V DC, 10 mA  Fault probability  Fault probability  Terminal capacities  Solid or stranded  mm²  1 × (1 - 2,5) 2 × (1 - 2,5) 2 × (1 - 2,5) 2 × (1 - 2,5) 2 × (0.75 - 2.5) 2 × (0.75 - 2.5)  Terminal screw  M3.5   |                                      | ·e             |                 |   |
| Rated operational current  Voltage per contact pair in series  Vol |                                      |                | quantity        |   |
| Voltage per contact pair in series  Fault probability  HF  |                                      | l <sub>o</sub> | Δ               | 10  |
| Control circuit reliability at 24 V DC, 10 mA  Fault probability  Fault probability  HF  < 10 <sup>-5</sup> ,< 1 failure in 100,000 switching operations  Terminal capacities  Solid or stranded  mm²  1 x (1 - 2,5) 2 x (1 - 2,5) 2 x (1 - 2,5) 2 x (0.75 - 2.5) 2 x (0.75 - 2.5) 1 x (0.75 - 2.5) 2 x (0.75 - 2.5) 2 x (0.75 - 2.5)  M3.5  |                                      | ·e             |                 |   |
| Terminal capacities  Solid or stranded mm² 1 x (1 - 2,5) 2 x (1 - 2,5)  Flexible with ferrules to DIN 46228 mm² 1 x (0.75 - 2.5) 2 x (0.75 - 2.5)  Terminal screw M3.5   |                                      | Fault          |                 |   |
| Solid or stranded         mm²         1 x (1 - 2,5) 2 x (1 - 2,5)           Flexible with ferrules to DIN 46228         mm²         1 x (0.75 - 2.5) 2 x (0.75 - 2.5)           Terminal screw         M3.5  |                                      |                |                 | < 10 ,< 1 failure in 100,000 switching operations |
| 2 x (1 - 2,5)  | Terminal capacities                  |                |                 |   |
| Flexible with ferrules to DIN 46228       mm²       1 x (0.75 - 2.5) 2 x (0.75 - 2.5)         Terminal screw       M3.5  | Solid or stranded                    |                | mm <sup>2</sup> | 1 x (1 - 2,5)<br>2 x (1 - 2,5)                    |
| 2 x (0.75 - 2.5)  Terminal screw M3.5  | Flexible with ferrules to DIN 46228  |                | mm <sup>2</sup> | 1 x (0.75 - 2.5)                                  |
|  |                                      |                |                 | 2 x (0.75 - 2.5)                                  |
| Tightening torque for terminal screw Nm 1  |                                      |                |                 |   |
|  | Tightening torque for terminal screw |                | Nm              | 1   |

#### Technical safety narameters

| Technical safety parameters:             |                |       |   |
|--|----------------|-------|---|
| Notes                                    |                |       | B10 <sub>d</sub> values as per EN ISO 13849-1, table C1 |
| Rating data for approved types           |                |       |   |
| Contacts                                 |                |       |   |
| Rated operational voltage                | U <sub>e</sub> | V AC  | 600   |
| Rated uninterrupted current max.         |                |       |   |
| Main conducting paths                    |                |       |   |
| General use                              |                | Α     | 16  |
| Auxiliary contacts                       |                |       |   |
| General Use                              | lu             | Α     | 10  |
| Pilot Duty                               |                |       | A 600<br>P 300  |
| Switching capacity                       |                |       |   |
| Maximum motor rating                     |                |       |   |
| Single-phase                             |                |       |   |
| 120 V AC                                 |                | HP    | 0.5   |
| 200 V AC                                 |                | HP    | 1   |
| 240 V AC                                 |                | HP    | 1.5   |
| Three-phase                              |                |       |   |
| 200 V AC                                 |                | HP    | 3   |
| 240 V AC                                 |                | HP    | 3   |
| 480 V AC                                 |                | HP    | 7.5   |
| 600 V AC                                 |                | HP    | 7.5   |
| Short Circuit Current Rating             |                | SCCR  |   |
| Basic Rating                             |                | kA    | 5   |
| max. Fuse                                |                | Α     | 50  |
| High fault rating                        |                | kA    | 10  |
| max. Fuse                                |                | Α     | 20, Class J   |
| Terminal capacity                        |                |       |   |
| Solid or flexible conductor with ferrule |                | AWG   | 18 - 14   |
| Terminal screw                           |                |       | M3.5  |
| Tightening torque                        |                | lb-in | 8.8   |

# **Design verification as per IEC/EN 61439**

| echnical data for design verification   |                   |    |  |
|---|-------------------|----|--|
| Rated operational current for specified heat dissipation  | In                | Α  | 20   |
| Heat dissipation per pole, current-dependent  | P <sub>vid</sub>  | W  | 0.6  |
| Equipment heat dissipation, current-dependent   | P <sub>vid</sub>  | W  | 0  |
| Static heat dissipation, non-current-dependent  | $P_{vs}$          | W  | 0  |
| Heat dissipation capacity   | P <sub>diss</sub> | W  | 0  |
| Operating ambient temperature min.  |                   | °C | -25  |
| Operating ambient temperature max.  |                   | °C | 50   |
| EC/EN 61439 design verification   |                   |    |  |
| 10.2 Strength of materials and parts  |                   |    |  |
| 10.2.2 Corrosion resistance   |                   |    | Meets the product standard's requirements.                         |
| 10.2.3.1 Verification of thermal stability of enclosures  |                   |    | Meets the product standard's requirements.                         |
| 10.2.3.2 Verification of resistance of insulating materials to normal heat  |                   |    | Meets the product standard's requirements.                         |
| 10.2.3.3 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects $$ |                   |    | Meets the product standard's requirements.                         |
| 10.2.4 Resistance to ultra-violet (UV) radiation  |                   |    | UV resistance only in connection with protective shield.           |
| 10.2.5 Lifting  |                   |    | Does not apply, since the entire switchgear needs to be evaluated. |
| 10.2.6 Mechanical impact  |                   |    | Does not apply, since the entire switchgear needs to be evaluated. |
| 10.2.7 Inscriptions   |                   |    | Meets the product standard's requirements.                         |
| 10.3 Degree of protection of ASSEMBLIES   |                   |    | Does not apply, since the entire switchgear needs to be evaluated. |
| 10.4 Clearances and creepage distances  |                   |    | Meets the product standard's requirements.                         |
| 10.5 Protection against electric shock  |                   |    | Does not apply, since the entire switchgear needs to be evaluated. |

| 10.6 Incorporation of switching devices and components   | Does not apply, since the entire switchgear needs to be evaluated.   |
|--|--|
| 10.7 Internal electrical circuits and connections        | Is the panel builder's responsibility.   |
| 10.8 Connections for external conductors                 | Is the panel builder's responsibility.   |
| 10.9 Insulation properties                               |  |
| 10.9.2 Power-frequency electric strength                 | Is the panel builder's responsibility.   |
| 10.9.3 Impulse withstand voltage                         | Is the panel builder's responsibility.   |
| 10.9.4 Testing of enclosures made of insulating material | Is the panel builder's responsibility.   |
| 10.10 Temperature rise                                   | The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices. |
| 10.11 Short-circuit rating                               | Is the panel builder's responsibility. The specifications for the switchgear must be observed.                                   |
| 10.12 Electromagnetic compatibility                      | Is the panel builder's responsibility. The specifications for the switchgear must be observed.                                   |
| 10.13 Mechanical function                                | The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.                         |

### **Technical data ETIM 7.0**

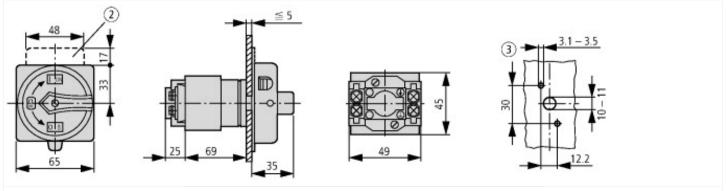
Low-voltage industrial components (EG000017) / Switch disconnector (EC000216)

Electric engineering, automation, process control engineering / Low-voltage switch technology / Off-load switch, circuit breaker, control switch / Switch disconnector (ecl@ss10.0.1-27-37-14-03 [AKF060013])

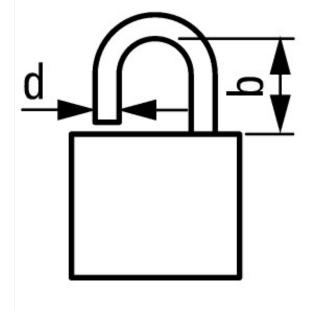
| Degree of protection (NEMA)  |    | 12                                       |
|--|----|--|
| Degree of protection (IP), front side  |    | IP65                                     |
| Type of electrical connection of main circuit                                    |    | Screw connection                         |
| Interlockable  |    | Yes                                      |
| Type of control element  |    | Door coupling rotary drive               |
| Colour control element   |    | Black                                    |
| Suitable for intermediate mounting   |    | No                                       |
| Suitable for front mounting centre  Suitable for distribution board installation |    | No No                                    |
| Suitable for front mounting 4-noie  Suitable for front mounting centre           |    | Yes                                      |
| Suitable for ground mounting Suitable for front mounting 4-hole                  |    | No No                                    |
|  |    | Built-in device fixed built-in technique |
| Voltage release optional  Device construction                                    |    |  |
| Motor drive integrated   |    | No No                                    |
| Motor drive optional   |    | No No                                    |
| Number of auxiliary contacts as change-over contact                              |    | O No.                                    |
| Number of auxiliary contacts as normally open contact                            |    | 0  |
| Number of auxiliary contacts as normally closed contact                          |    | 0  |
| Number of poles  |    | 7  |
| Conditioned rated short-circuit current Iq                                       | kA | 6  |
| Switching power at 400 V   | kW | 5.5                                      |
| Rated operation power at AC-23, 400 V  | kW | 5.5                                      |
| Rated short-time withstand current lcw   | kA | 0.32                                     |
| Rated operation power at AC-3, 400 V   | kW | 5.5                                      |
| Rated permanent current at AC-21, 400 V  | Α  | 20                                       |
| Rated permanent current at AC-23, 400 V  | Α  | 13.3                                     |
| Rated permanent current lu   | Α  | 20                                       |
| Rated operating voltage  | V  | 690 - 690                                |
| Max. rated operation voltage Ue AC   | V  | 690                                      |
| Number of switches   |    | 1  |
| Version as reversing switch  |    | No                                       |
| Version as emergency stop installation   |    | No                                       |
| Version as safety switch   |    | No                                       |
| Version as maintenance-/service switch   |    | Yes                                      |
| Version as main switch   |    | Yes                                      |
|  |    |  |

| Approvals                   |   |
|-----------------------------|---|
| Product Standards           | UL 60947-4-1;CSA - C22.2 No. 60947-4-1-14; CSA-C22.2 No. 94; IEC/EN 60947-3; CE marking |
| UL File No.                 | E36332  |
| UL Category Control No.     | NLRV  |
| CSA File No.                | 12528   |
| CSA Class No.               | 3211-05   |
| North America Certification | UL listed, CSA certified  |
| Suitable for                | Branch circuits, suitable as motor disconnect   |
| Degree of Protection        | IEC: IP65; UL/CSA Type 1, 12  |

#### **Dimensions**



- ② ZFS-... Label mount not included as standard
- 3 Drilling dimensions door



d = 4 - 8 mm  $b + d \le 47 \text{ mm}$  d = 0.16 - 0.31 d = 0.85

≦3 padlocks

#### **Assets (links)**

**Declaration of CE Conformity** 

00003075

Instruction Leaflets

IL03801020Z2018\_05

## **Additional product information (links)**

| IL03801020Z (AWA1150-0586) Cam switches: fl             | ush mounting  |
|---|---|
| IL03801020Z (AWA1150-0586) Cam switches: flush mounting | ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL03801020Z2018_05.pdf |
| Display flip catalog page.                              | http://ecat.moeller.net/flip-cat/?edition=K115A&startpage=41                |
| Technical overview cam switch, switch-disconnector      | http://de.ecat.moeller.net/flip-cat/?edition=HPLTEv1&startpage=4.2          |
| System overview cam switch T                            | http://de.ecat.moeller.net/flip-cat/?edition=HPLTEv1&startpage=4.4          |
| System overview switch-disconnector P                   | http://de.ecat.moeller.net/flip-cat/?edition=HPLTEv1&startpage=4.6          |

| Key to part numbers Cam switch                               | http://de.ecat.moeller.net/flip-cat/?edition=HPLTEv1&startpage=4.8                       |
|--|--|
| Key to part numbers Switch-disconnector                      | http://de.ecat.moeller.net/flip-cat/?edition=HPLTEv1&startpage=4.8                       |
| Switches for ATEX  | http://www.coopercrouse-hinds.eu/en/products/25-ex-safety-and-main-current-switches.html |
| Ordering form for SOND switches and SOND front plates(DE_EN) | ftp://ftp.moeller.net/DOCUMENTATION/PDF/MZ008005ZU_Orderform_Customized_Switch.pdf       |
| Ordering form for SOND switches and SOND front plates(DE_EN) | ftp://ftp.moeller.net/DOCUMENTATION/PDF/MZ008006ZU_Orderform_Customized_Switch.pdf       |