## **SIEMENS**

Data sheet 3SE5212-0CB01



Position switch Metal enclosure 31 mm according to EN 50047 Device connection 1 x (M20 x 1.5) 1 NO/1 NC quick action contacts Plain plunger, stainless steel

| product function positive opening insulation voltage rated value degree of pollution class 3 surge voltage resistance rated value brotection class IP protection class | product brand name                                                      | SIRIUS                                               |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|------------------------------------------------------|
| manufacturer's article number  • of the supplied actuator head for position switches  • of the supplied switching contacts  suitability for use safety switch  **Pes**  **Product function positive opening  product function positive opening  function opsitive opening  product function positive opening  degree of pollution  class 3  surge voltage resistance rated value  of keV  protection class IP  shock resistance  • according to IEC 60068-2-27  slog 1 ms  **Vibration resistance  • according to IEC 60068-2-46  • according to IEC 60068-2-4  • according to IEC 60068-2-4  • according to IEC 60068-2-6  • according to IEC 80068-2-7  100 000  class to the enclosure of the switch head  metal  reference code according to IEC 81346-2  B  continuous current of the paick DIAZED fuse link  10 A  continuous current of the paick DIAZED fuse link  10 A; for a short-circuit current smaller than 400 A  continuous current of the DIAZED fuse link  continuous current of the DIAZED fuse link  10 A; for a short-circuit current smaller than 400 A  continuous current of the DIAZED fuse link  continuous current of the DIAZED fuse link  10 A; for a short-circuit current smaller than 400 A  continuous current of the DIAZED fuse link  continuous curren | product designation                                                     | Mechanical position switches                         |
| • of the supplied actuator head for position switches • of the supplied witching contacts • of the supplied empty enclosure with cover  suitability for use safety switch  Product function positive opening insulation voltage rated value  degree of pollution  surge voltage resistance rated value • according to IEC 60068-2-27  shock resistance • according to IEC 60068-2-27  vibration resistance • according to IEC 60068-2-27  vibration resistance • according to IEC 60068-2-27  vibration resistance • according to IEC 60068-2-26  mechanical service life (operating cycles) typical electrical endurance (operating cycles) typical thermal current  material of the enclosure of the switch head material of the enclosure of the switch head material of the enclosure of the switch head continuous current of the C characteristic MCB continuous current of the DIAZED fuse link G active principle repeat accuracy  Substance Prohibitance (Date)  Substance Prohibitance (Date)  Witch of the sensor  minimum actuating force in directions of actuation elength of the sensor  width of the sensor  width of the sensor  evilosion protection category for dust  ### Cappart of the content of the sensor  evilosion protection category for dust  ### Cappart of the content of the sensor  evilosion protection category for dust  ### Cappart of the content of   | product type designation                                                | 3SE5                                                 |
| • of the supplied switching contacts • of the supplied empty enclosure with cover  3856212-0AC05  suitability for use safety switch  Ves  Forciard technical data  Forciard function positive opening  insulation voltage rated value  degree of pollution  class 3  surge voltage resistance rated value  6 kV  protection class IP  shock resistance  • according to IEC 60068-2-27  30g / 11 ms  vibration resistance  • according to IEC 60068-2-36  mechanical service life (operating cycles) typical  thermal current  thermal current  material of the enclosure of the switch head reference code according to IEC 81346-2  continuous current of the C characteristic MCB  active principle  repeat accuracy  Substance Prohibitance (Date)  Substance Prohib  | manufacturer's article number                                           |                                                      |
| • of the supplied empty enclosure with cover  suitability for use safety switch  Product function positive opening Product function positive position positive function positive position positive function positive position positive function positive function positive function po | <ul> <li>of the supplied actuator head for position switches</li> </ul> | 3SE5000-0AB01                                        |
| suitability for use safety switch  Product function positive opening insulation voltage rated value  degree of pollution surge voltage resistance rated value  protection class IP shock resistance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <ul> <li>of the supplied switching contacts</li> </ul>                  | 3SE5000-0CA00                                        |
| product function positive opening Yes Insulation voltage rated value 400 V degree of pollution class 3 surge voltage resistance rated value 6 kV protection class IP   IP66/IP67 shock resistance   P66/IP67 shock resistance   P6 | <ul> <li>of the supplied empty enclosure with cover</li> </ul>          | 3SE5212-0AC05                                        |
| product function positive opening Yes insulation voltage rated value 400 V degree of pollution class IP struction class IP IPE6/IPE7 shock resistance • according to IEC 60068-2-27 30g / 11 ms vibration resistance • according to IEC 60068-2-27 30g / 11 ms vibration resistance • according to IEC 60068-2-27 30g / 11 ms vibration resistance • according to IEC 60068-2-26 0,35 mm/5g mechanical service life (operating cycles) typical 15 000 000 electrical endurance (operating cycles) at AC-15 at 230 V typical 2000 thermal current 10 A A Martin Marti | suitability for use safety switch                                       | Yes                                                  |
| Insulation voltage rated value degree of poliution class 3 surge voltage resistance rated value protection class IP protection | General technical data                                                  |                                                      |
| degree of pollution class I9 surge voltage resistance rated value 6 kV protection class IP IP66/IP67 shock resistance • according to IEC 60068-2-77 30g / 11 ms vibration resistance • according to IEC 60068-2-6 0.35 mm/5g mechanical service life (operating cycles) typical 15 000 000 electrical endurance (operating cycles) at AC-15 at 230 V typical 100 000 electrical endurance (operating cycles) at AC-15 at 230 V typical 100 000 thermal current 10 A material of the enclosure of the switch head metal reference code according to IEC 81346-2 B continuous current of the C characteristic MCB 1A; for a short-circuit current smaller than 400 A continuous current of the quick DIAZED fuse link 10 A; for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link 10 A; for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link 10 A; for a short-circuit current smaller than 400 A continuous current of the Quick DIAZED fuse link 10 A; for a short-circuit current smaller than 400 A continuous current of the Quick DIAZED fuse link 10 A; for a short-circuit current smaller than 400 A continuous current of the Quick DIAZED fuse link 10 A; for a short-circuit current smaller than 400 A continuous current of the Quick DIAZED fuse link 10 A; for a short-circuit current smaller than 400 A continuous current of the Quick DIAZED fuse link 10 A; for a short-circuit current smaller than 400 A continuous current of the Quick DIAZED fuse link 10 A; for a short-circuit current smaller than 400 A continuous current of the Quick DIAZED fuse link 10 A; for a short-circuit current smaller than 400 A continuous current of the Quick DIAZED fuse link 10 A; for a short-circuit current smaller than 400 A continuous current of the Quick DIAZED fuse link 10 A; for a short-circuit current smaller than 400 A continuous current of the Quick DIAZED fuse link 10 A; for a short-circuit current smaller than 400 A continuous current of the Quick DIAZED fuse link 10 A; for a short-circuit current smalle | product function positive opening                                       | Yes                                                  |
| surge voltage resistance rated value 6 kV  protection class IP IP66/IP67  shock resistance • according to IEC 60068-2-27  vibration resistance • according to IEC 60068-2-6  mechanical service life (operating cycles) typical 15 000 000  electrical endurance (operating cycles) at AC-15 at 230 V typical 100 000  thermal current 10 A material of the enclosure of the switch head metal reference code according to IEC 81346-2 B Continuous current of the Quick DIAZED fuse link 0 A (a for a short-circuit current smaller than 400 A (continuous current of the Quick DIAZED fuse link G A (a cutting operating cycles) in Minimum actuating force in directions of actuation 20 N length of the sensor 79.5 mm  width of the sensor 31 mm  **Notice of the sensor 1 actual of the protection category for dust 1 current short current category for dust 1 current short cur | insulation voltage rated value                                          | 400 V                                                |
| protection class IP IP66/IP67  shock resistance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | degree of pollution                                                     | class 3                                              |
| shock resistance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | surge voltage resistance rated value                                    | 6 kV                                                 |
| according to IEC 60068-2-27  vibration resistance according to IEC 60068-2-6  mechanical service life (operating cycles) typical electrical endurance (operating cycles) at AC-15 at 230 V typical typical  thermal current  10 A  material of the enclosure of the switch head metal reference code according to IEC 81346-2 B continuous current of the C characteristic MCB continuous current of the Quick DIAZED fuse link 10 A, for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link 10 A, for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link 0 A, for a short-circuit current smaller than 400 A  continuous current of the DIAZED fuse link gG 6 A active principle mechanical repeat accuracy 0.05 mm  Substance Prohibitance (Date)  VHC substance name Imidazolidin-2-thion - 96-45-7 minimum actuating force in directions of actuation 20 N length of the sensor violth of the sensor  y9.5 mm width of the sensor  width of the sensor  ambient temperature during operation during storage  -40 +90 °C explosion protection category for dust                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | protection class IP                                                     | IP66/IP67                                            |
| vibration resistance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | shock resistance                                                        |                                                      |
| e according to IEC 60068-2-6  mechanical service life (operating cycles) typical  electrical endurance (operating cycles) at AC-15 at 230 V typical  thermal current  naterial of the enclosure of the switch head  reference code according to IEC 81346-2  continuous current of the C characteristic MCB  continuous current of the quick DIAZED fuse link  tontinuous current of the DIAZED fuse link  continuous current of the DIAZED fuse link  continuous current of the DIAZED fuse link gG  active principle  repeat accuracy  Substance Prohibitance (Date)  SVHC substance name  Imidazolidin-2-thion - 96-45-7  minimum actuating force in directions of actuation  length of the sensor  you find the sensor  width of the sensor  ambient conditions  ambient temperature  e during operation  current smaller than 400 A  6 A  6 A  6 A  6 A  6 A  6 A  6 A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | • according to IEC 60068-2-27                                           | 30g / 11 ms                                          |
| mechanical service life (operating cycles) typical electrical endurance (operating cycles) at AC-15 at 230 V typical thermal current 10 A material of the enclosure of the switch head reference code according to IEC 81346-2 B continuous current of the C characteristic MCB 1 A; for a short-circuit current smaller than 400 A continuous current of the quick DIAZED fuse link 10 A; for a short-circuit current smaller than 400 A continuous current of the pliazed fuse link continuous current of the DIAZED fuse link gG 6 A active principle repeat accuracy 0.05 mm Substance Prohibitance (Date)  SVHC substance name Imidazolidin-2-thion - 96-45-7 minimum actuating force in directions of actuation 20 N width of the sensor 31 mm width of the sensor 31 mm  Nablent conditions  ambient temperature • during operation • during storage explosion protection category for dust                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | vibration resistance                                                    |                                                      |
| electrical endurance (operating cycles) at AC-15 at 230 V typical  thermal current  10 A  material of the enclosure of the switch head  reference code according to IEC 81346-2  B  continuous current of the C characteristic MCB  continuous current of the quick DIAZED fuse link  continuous current of the DIAZED fuse link  continuous current of the DIAZED fuse link gG  active principle  repeat accuracy  Substance Prohibitance (Date)  SVHC substance name  Imidazolidin-2-thion - 96-45-7  minimum actuating force in directions of actuation  length of the sensor  width of the sensor  width of the sensor  width of the sensor  ambient conditions  ambient temperature  • during operation  • during storage  explosion protection category for dust  10 A  metal  metal  10 A  metal  none  10 A  metal  meta | • according to IEC 60068-2-6                                            | 0.35 mm/5g                                           |
| thermal current 10 A metal current metal metal metal metal reference code according to IEC 81346-2 B Continuous current of the C characteristic MCB 1 A; for a short-circuit current smaller than 400 A continuous current of the quick DIAZED fuse link 10 A; for a short-circuit current smaller than 400 A continuous current of the quick DIAZED fuse link 6 A continuous current of the DIAZED fuse link 9 6 A continuous current of the DIAZED fuse link 9 6 A continuous current of the DIAZED fuse link 9 6 A continuous current of the DIAZED fuse link 9 6 A continuous current of the DIAZED fuse link 9 6 A continuous current of the DIAZED fuse link 9 6 A continuous current of the DIAZED fuse link 9 6 A continuous current of the DIAZED fuse link 9 6 A continuous current of the DIAZED fuse link 9 6 A continuous current of the DIAZED fuse link 9 6 A continuous current of the DIAZED fuse link 9 6 A continuous current of the DIAZED fuse link 9 6 A continuous current smaller than 400 A continue smaller than 400 A continue smaller than 400 A continuous current smaller than 400 A continue smaller than 400 A | mechanical service life (operating cycles) typical                      | 15 000 000                                           |
| material of the enclosure of the switch head reference code according to IEC 81346-2 B continuous current of the C characteristic MCB 1 A; for a short-circuit current smaller than 400 A continuous current of the quick DIAZED fuse link 10 A; for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link gG 6 A active principle mechanical repeat accuracy 0.05 mm Substance Prohibitance (Date) 07/01/2006 SVHC substance name Imidazolidin-2-thion - 96-45-7 minimum actuating force in directions of actuation 20 N length of the sensor 79.5 mm width of the sensor 31 mm whibent conditions ambient temperature • during operation • during storage • during storage -40 +90 °C explosion protection category for dust                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                         | 100 000                                              |
| reference code according to IEC 81346-2  continuous current of the C characteristic MCB  1 A; for a short-circuit current smaller than 400 A  continuous current of the quick DIAZED fuse link  10 A; for a short-circuit current smaller than 400 A  continuous current of the DIAZED fuse link gG  6 A  active principle  mechanical  repeat accuracy  0.05 mm  Substance Prohibitance (Date)  5VHC substance name  Imidazolidin-2-thion - 96-45-7  minimum actuating force in directions of actuation  20 N  length of the sensor  79.5 mm  width of the sensor  which is conditions  ambient conditions  ambient temperature  • during operation  • during storage  40 +90 °C  explosion protection category for dust                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | thermal current                                                         | 10 A                                                 |
| continuous current of the C characteristic MCB  1 A; for a short-circuit current smaller than 400 A  continuous current of the quick DIAZED fuse link  10 A; for a short-circuit current smaller than 400 A  continuous current of the DIAZED fuse link gG  6 A  active principle  mechanical  repeat accuracy  0.05 mm  Substance Prohibitance (Date)  5VHC substance name  Imidazolidin-2-thion - 96-45-7  minimum actuating force in directions of actuation  20 N  length of the sensor  width of the sensor  width of the sensor  31 mm  Ambient conditions  ambient temperature  • during operation  • during storage  40 +90 °C  explosion protection category for dust                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | material of the enclosure of the switch head                            | metal                                                |
| continuous current of the quick DIAZED fuse link  continuous current of the DIAZED fuse link gG  active principle  mechanical  repeat accuracy  0.05 mm  Substance Prohibitance (Date)  SVHC substance name  Imidazolidin-2-thion - 96-45-7  minimum actuating force in directions of actuation  length of the sensor  width of the sensor  width of the sensor  ambient conditions  ambient temperature  o during operation  other width of the sensor  author temperature  other width of the sensor  author  | reference code according to IEC 81346-2                                 | В                                                    |
| continuous current of the DIAZED fuse link gG  active principle  repeat accuracy  0.05 mm  Substance Prohibitance (Date)  5VHC substance name  Imidazolidin-2-thion - 96-45-7  minimum actuating force in directions of actuation  length of the sensor  width of the sensor  width of the sensor  ambient conditions  ambient temperature  o during operation o during storage  explosion protection category for dust  o 0.05 mm  mechanical  mechanical  mechanical  mechanical  ambient  96-45-7  1 minimum actuating force in directions of actuation 20 N  79.5 mm  31 mm  Armbient conditions  ambient temperature  o during operation o -25 +85 °C  -40 +90 °C  explosion protection category for dust                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | continuous current of the C characteristic MCB                          | 1 A; for a short-circuit current smaller than 400 A  |
| active principle mechanical repeat accuracy 0.05 mm  Substance Prohibitance (Date) 07/01/2006  SVHC substance name Imidazolidin-2-thion - 96-45-7 minimum actuating force in directions of actuation 20 N  length of the sensor 79.5 mm width of the sensor 31 mm  Ambient conditions  ambient temperature  • during operation -25 +85 °C • during storage -40 +90 °C explosion protection category for dust                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | continuous current of the quick DIAZED fuse link                        | 10 A; for a short-circuit current smaller than 400 A |
| repeat accuracy  Substance Prohibitance (Date)  SVHC substance name  Imidazolidin-2-thion - 96-45-7  minimum actuating force in directions of actuation  length of the sensor  79.5 mm  width of the sensor  31 mm  Ambient conditions  ambient temperature  • during operation • during storage  explosion protection category for dust  0.05 mm  20 N  79.5 mm  31 mm  4. mbient conditions  -25 +85 °C  -40 +90 °C  none                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | continuous current of the DIAZED fuse link gG                           | 6 A                                                  |
| Substance Prohibitance (Date)  SVHC substance name  Imidazolidin-2-thion - 96-45-7  minimum actuating force in directions of actuation  length of the sensor  79.5 mm  width of the sensor  31 mm  Ambient conditions  ambient temperature  • during operation • during storage  explosion protection category for dust  07/01/2006  Imidazolidin-2-thion - 96-45-7  20 N  79.5 mm  31 mm  -25 +85 °C  -40 +90 °C  none                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | active principle                                                        | mechanical                                           |
| SVHC substance name Imidazolidin-2-thion - 96-45-7  minimum actuating force in directions of actuation 20 N  length of the sensor 79.5 mm  width of the sensor 31 mm  Ambient conditions  ambient temperature  • during operation -25 +85 °C  • during storage -40 +90 °C  explosion protection category for dust                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | repeat accuracy                                                         | 0.05 mm                                              |
| minimum actuating force in directions of actuation  length of the sensor  vidth of the sensor  31 mm  Ambient conditions  ambient temperature  • during operation • during storage  -25 +85 °C  -40 +90 °C  explosion protection category for dust                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Substance Prohibitance (Date)                                           | 07/01/2006                                           |
| length of the sensor  width of the sensor  31 mm  Ambient conditions  ambient temperature  • during operation • during storage  explosion protection category for dust  79.5 mm  31 mm  -25 +85 °C  -40 +90 °C  none                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | SVHC substance name                                                     | Imidazolidin-2-thion - 96-45-7                       |
| width of the sensor  Ambient conditions  ambient temperature  • during operation • during storage  • uring storage  • capplosion protection category for dust  • capplosion protection category for dust                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | minimum actuating force in directions of actuation                      | 20 N                                                 |
| Ambient conditions  ambient temperature  • during operation • during storage  • during storage  • cylosion protection category for dust  • cylosion protection category for dust                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | length of the sensor                                                    | 79.5 mm                                              |
| ambient temperature  • during operation • during storage  • during storage  -25 +85 °C  -40 +90 °C  explosion protection category for dust  none                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | width of the sensor                                                     | 31 mm                                                |
| <ul> <li>during operation</li> <li>during storage</li> <li>explosion protection category for dust</li> </ul> -25 +85 °C -40 +90 °C none                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Ambient conditions                                                      |                                                      |
| ● during storage -40 +90 °C  explosion protection category for dust none                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | ambient temperature                                                     |                                                      |
| explosion protection category for dust none                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | during operation                                                        | -25 +85 °C                                           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | during storage                                                          | -40 +90 °C                                           |
| design of the switching contact mechanical                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | explosion protection category for dust                                  | none                                                 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | design of the switching contact                                         | mechanical                                           |

| operating frequency rated value                              | 50 60 Hz                                |                                               |
|--------------------------------------------------------------|-----------------------------------------|-----------------------------------------------|
| number of NC contacts for auxiliary contacts                 | 1                                       |                                               |
| number of NO contacts for auxiliary contacts                 | 1                                       |                                               |
| operational current at AC-15                                 |                                         |                                               |
| at 24 V rated value                                          | 6 A                                     |                                               |
| at 120 V rated value                                         | 6 A                                     |                                               |
| at 240 V rated value     at 240 V rated value                | 6 A                                     |                                               |
| at 400 V rated value                                         | 4 A                                     |                                               |
| operational current at DC-13                                 | ***                                     |                                               |
| • at 24 V rated value                                        | 3 A                                     |                                               |
| at 125 V rated value                                         | 0.55 A                                  |                                               |
| at 250 V rated value     at 250 V rated value                | 0.35 A<br>0.27 A                        |                                               |
|                                                              |                                         |                                               |
| at 400 V rated value                                         | 0.12 A                                  |                                               |
| Enclosure                                                    |                                         |                                               |
| design of the housing                                        | block, narrow                           |                                               |
| material of the enclosure                                    | metal                                   |                                               |
| coating of the enclosure                                     | cathodic dip coating                    |                                               |
| design of the housing according to standard                  | Yes                                     |                                               |
| Drive Head                                                   |                                         |                                               |
| design of the actuating element                              | single plunger, stainless steel plunger |                                               |
| standard-compliant actuator head                             | EN 50041, design B                      |                                               |
| shape of the switch head                                     | rounded                                 |                                               |
| design of the switching function                             | positive opening                        |                                               |
| circuit principle                                            | snap-action contacts                    |                                               |
| number of switching contacts safety-related                  | 1                                       |                                               |
| cable entry type                                             | 1x (M20 x 1.5)                          |                                               |
| Installation/ mounting/ dimensions                           |                                         |                                               |
| mounting position                                            | any                                     |                                               |
| fastening method                                             | screw fixing                            |                                               |
| Connections/ Terminals                                       |                                         |                                               |
| type of electrical connection                                | screw-type terminals                    |                                               |
| type of connectable conductor cross-sections                 |                                         |                                               |
| • solid                                                      | 1x (0.5 1.5 mm²), 2x (0.5 0.75 mm²)     |                                               |
| <ul> <li>finely stranded with core end processing</li> </ul> | 1x (0.5 1.5 mm²), 2x (0.5 0.75 mm²)     |                                               |
| <ul> <li>for AWG cables solid</li> </ul>                     | 1x (20 16), 2x (20 18)                  |                                               |
| <ul> <li>for AWG cables stranded</li> </ul>                  | 1x (20 16), 2x (20 18)                  |                                               |
| design of the interface for safety-related communication     | without                                 |                                               |
| Communication/ Protocol                                      |                                         |                                               |
| design of the interface                                      | without                                 |                                               |
| Certificates/ approvals                                      |                                         |                                               |
| General Product Approval                                     |                                         | Functional<br>Safety/Safety of Ma-<br>chinery |



Confirmation







Type Examination Certificate

**Declaration of Conformity** 

**Test Certificates** 

other





Type Test Certificates/Test Report

Confirmation

## Further information

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

Information- and Downloadcenter (Catalogs, Brochures,...)

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SE5212-0CB01

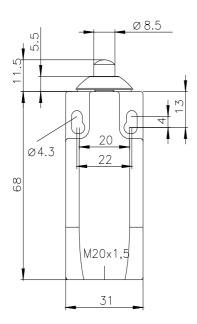
Cax online generator

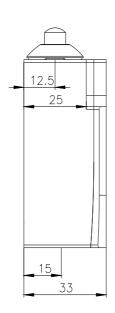
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE5212-0CB01

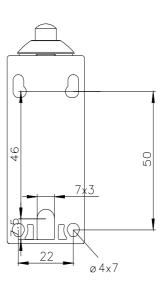
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

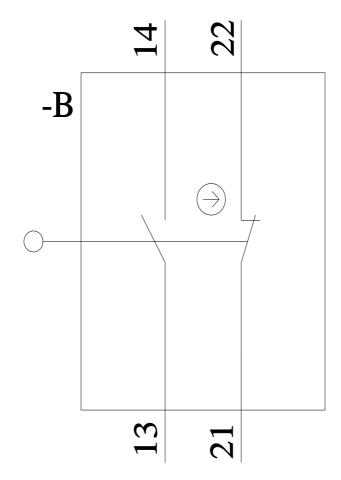
https://support.industry.siemens.com/cs/ww/en/ps/3SE5212-0CB01

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) <a href="http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SE5212-0CB01&lang=en">http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SE5212-0CB01&lang=en</a>









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