## SIEMENS

## Data sheet

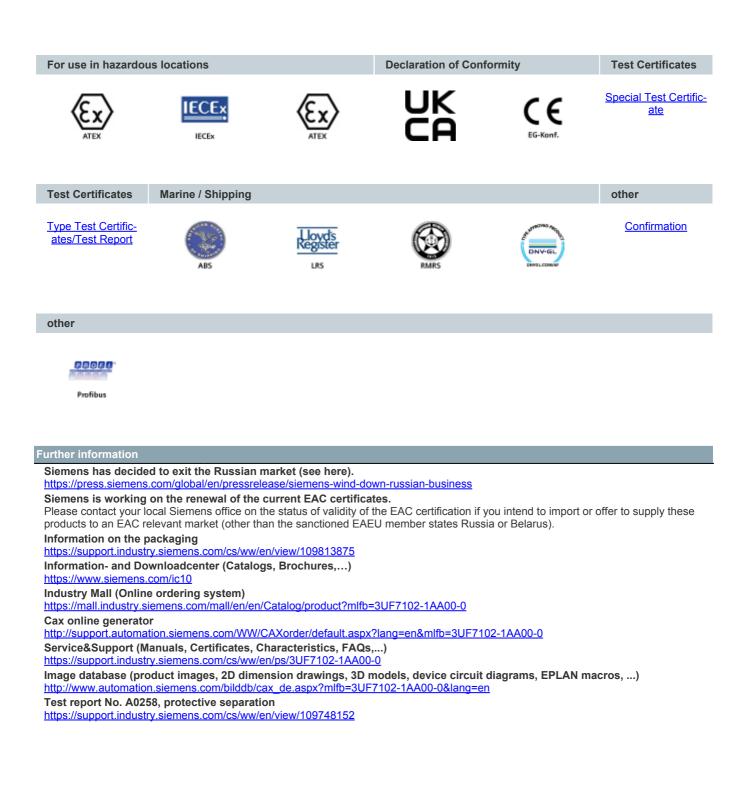
## 3UF7102-1AA00-0

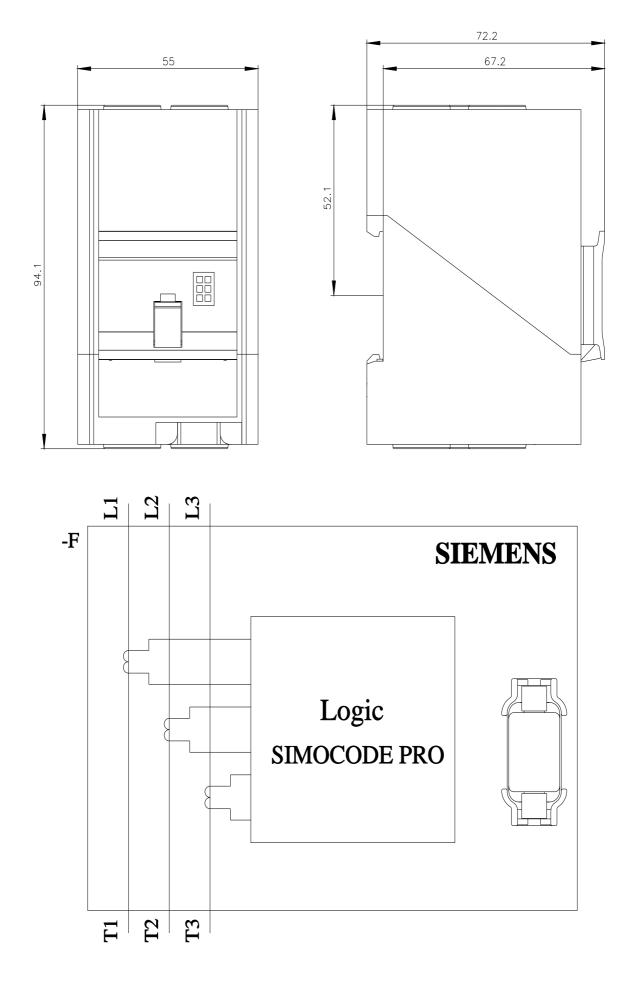


Current measuring module, Set current 10...100 A Overall width 55 mm, straight-through transformer

product brand name         SIRIUS           corrent leaduring module         Current measuring module           Concrition         •           • current measurement         Yes           • voltage measurement         No           • active power measurement         No           • frequency measurement         No           • frequency measurement         No           • input for thermistor connection         No           • consumed active power         0.2 W           insulation voltage         600 V           • for wires of main circuit according to IEC 60947-1         6 kV           rated value         6000 V           product component         IP20           • surge voltage resistance rated value         6 000 V           protection class IP         IP20           stock resistance according to IEC 60068-2-27         15g /11 ms           vibration resistance         1-6 Hz / 15 mm; 6-500 Hz / 2 g           reference code according to IEC 61068-2-27         F           Substance Prohibitance (Date)         05/28/2009           certificate of suitability         BVS 06 ATEX F001           • according to IEC 60947-1         corresponds to degree of severity 3           conucuce interference         corresponds to degree of seve		
product designation         Current measuring module           General technical data             product function <ul> <li>current measurement</li> <li>voltage measurement</li> <li>no</li> <li>power measurement</li> <li>no</li> <li>consumed active power</li> <li>option to component</li> <li>finaulation voltage</li> <li>with degree of pollution 3 at AC rated value</li> <li>for wires of main circuit according to IEC 60947-1</li> <li>fk V</li> <li>strage voltage resistance rated value</li> <li>for wires of main circuit according to IEC 60068-2-27</li> <li>tig/ 11 ms</li> <li>strage voltage resistance rated value</li> <li>for wires of main circuit according to IEC 60068-2-27</li> <li>tig/ 11 ms</li> <li>tig/ 11 ms</li> <li>tigrase of according to IEC 80068-2-27</li> <li>tig/ 11 ms</li> <li>stock resistance</li> <li>according to ATEX directive 2014/34/EU</li> <li>BVS 06 ATEX F001</li> <li>TS21UKEX0464</li> <li>tig/ 20, II (2) D, I (M2)</li> <li>det to burst according to IEC 600947-1</li> <li>corresponds to degree of severity 3</li> <li>coresponds to degree of severity 3</li></ul>	product brand name	SIRIUS
product function <ul> <li>current measurement</li> <li>voltage measurement</li> <li>active power measurement</li> <li>no</li> <li>active power measurement</li> <li>no</li> <li>power measurement</li> <li>input for thermistor connection</li> <li>no</li> <li>oconsumed active power</li> <li>0.2 W</li> <li>insulation voltage</li> <li>with degree of pollution 3 at AC rated value</li> <li>for wires of main circuit according to IEC 60947-1</li> <li>rated value</li> <li>for wires of main circuit according to IEC 60947-1</li> <li>rated value</li> <li>protection class IP</li> <li>stance according to IEC 61068-2-27</li> <li>tip A11 ms</li> <li>tibration code according to IEC 61068-2-27</li> <li>tip A11 ms</li> <li>tibration resistance</li> <li>according to AEC atted value</li> <li>according to AEC attage 2</li> <li>F</li> <li>Substance Prohibitance (Date)</li> <li>optication to UKCA</li> <li>explosion device group and category according to ATEX</li> <li>directive 2014/34/EU</li> <li>Electromagnetic compatibility</li> <li>according to IEC 61000-4-4</li> <li>due to burst according to IEC 61000-4-4</li> <li>due to conductor-earth surge according to IEC 61000-4-3</li> <li>tue to conductor-conductor surge according to IEC 61000-4-3</li> <li>due to conductor-conductor surge according to IEC 61000-4-3</li> <li>tue to conducto</li></ul>	•	Current measuring module
• current measurementYes• voltage measurementNo• active power measurementNo• power measurementNo• power measurementNo• input for themistor connectionNoconsumed active power0.2 W• insultation voltage600 V• for wires of main circuit according to IEC 60947-16 kV• reference code according to IEC 60068-2-2715g / 11 ms• with degree of pollution 3 at AC rated value6 000 V• for wires of main circuit according to IEC 60068-2-2715g / 11 ms• surge voltage resistance rated value6 000 V• protection class IPIP20• shock resistance according to IEC 60068-2-2715g / 11 ms• vibration resistance1-6 Hz / 15 mm; 6-500 Hz / 2 g• reference code according to IEC 60068-2-2715g / 11 ms• vibration resistance1-6 Hz / 15 mm; 6-500 Hz / 2 g• reference code according to IEC 60068-2-2715g / 11 ms• vibration resistance1-6 Hz / 15 mm; 6-500 Hz / 2 g• reference code according to IEC 60064-2F• according to IEC 61004-2ITS21/UKEX0464• according to IEC 60047-1corresponds to degree of severity 3• conductor-earth surge according to IEC 6000-4.42 kV• due to burst according to IEC 61000-4.42 kV• due to conductor-earth surge according to IEC 61000-4.42 kV• due to conductor-conductor surge according to IEC 61000-4.51 kV• due to conductor-conductor surge according to IEC 61000-4.42 kV• due to conduct	General technical data	
• voltage measurementNo• active power measurementNo• power measurementNo• frequency measurementNo• input for thermistor connectionNoconsumed active power0.2 W• with degree of pollution 3 at AC rated value690 V• with degree of pollution 3 at AC rated value690 V• with degree of pollution 3 at AC rated value690 V• with degree of pollution 3 at AC rated value690 V• with degree of pollution 3 at AC rated value600 V• for wires of main circuit according to IEC 60947-1 rated value6000 V• grower cooling to IEC 60068-2-2715g / 11 ms• with according to IEC 60068-2-2715g / 11 ms• with according to IEC 60068-2-2715g / 11 ms• vibration resistance16 Hz / 15 mm; 6-500 Hz / 2 g• ference code according to IEC 60068-2FSubstance Prohibitance (Date)05/28/2009• certificate of suitability500 ATEX F001• according to ATEX directive 2014/34/EUBVS 06 ATEX F001• according to ATEX directive 2014/34/EUBVS 06 ATEX F001• according to IEC 60947-1class Acontucted interference according to IEC 60947-1class A• due to burst according to IEC 60947-1corresponds to degree of severity 3• due to conductor-conductor surge according to IEC2 kV• due to conductor-conductor surge according to IEC2 kV• due to conductor-conductor surge according to IEC2 kV• due to conductor-conductor surge according to IEC2 kV<	product function	
• active power measurementNo• power measurementNo• frequency measurementNo• input for thermistor connectionNo• input for thermistor connectionNo• consumed active power0.2 W• with degree of pollution 3 at AC rated value690 V• for wires of main circuit according to IEC 60947-16 kV• for wires of train circuit according to IEC 60947-16 000 V• protection class IPIP20• shock resistance rated value6 000 V• protection class IPIP20• shock resistance according to IEC 81346-2F• Substance Prohibitance (Date)05/28/2009• certificate of suitability0• according to VKCAITS21UKEX0464• exploring to ATEX directive 2014/34/EUBVS 06 ATEX F001• according to IEC 60947-1class A• according to IEC 60947-1class A• corresponds to degree of severity 3corresponds to degree of severity 3• conductor-conductor-surge according to IEC 60947-1class A• due to burst according to IEC 60947-1class A• due to burst according to IEC 60947-1class A• due to conductor-cearth surge according to IEC2 kV• due to conductor-conductor surge according to IEC1 kV• f	<ul> <li>current measurement</li> </ul>	Yes
• power measurementNo• frequency measurementNoproduct component.• input for thermistor connectionNoconsumed active power0.2 Winsulation voltage690 V• with degree of pollution 3 at AC rated value690 V• for wires of main circuit according to IEC 60947-1 rated value6 kVsurge voltage resistance rated value6 000 Vprotection class IPIP20shock resistance according to IEC 60068-2-2715g / 11 msvibration resistance1.6 Hz / 15 mm; 6-500 Hz / 2 greference code according to IEC 81346-2FSubstance Prohibitance (Date)0 202009certificate of suitabilityITS21UKEX0464• according to IEC 600947-1Corresponds to degree of severity 3certificate of suitabilityII (2) G, II (2) D, I (M2)explosin device group and category according to ATEXII (2) G, II (2) D, I (M2)etherementcorresponds to degree of severity 3conducted interferencecorresponds to degree of severity 3conducted interference according to IEC 61000-4-42 kV- due to burst according to IEC 61000-4-42 kV- due to conductor-earth surge according to IEC 61000-4-31 kV- due to conductor-earth surge according to IEC 61000-4-31 kV- due to conductor-acth surge according to IEC 61000-4-31 kV- due to conductor-acth surge according to IEC 61000-4-31 kV- due to conductor-acth surge according to IEC 61000-4-31 kV- due to conductor-acth surge according to IEC 61	<ul> <li>voltage measurement</li> </ul>	No
• frequency measurementNoproduct componentNo• input for thermistor connectionNoconsumed active power0.2 Winsulation voltage690 V• with degree of pollution 3 at AC rated value690 V• for wires of main circuit according to IEC 60947-1 rated value600 V• for wires of main circuit according to IEC 60947-1 rated value600 V• gurge voltage resistance rated value6 000 V• protection class IPIP20shock resistance according to IEC 60068-2-2715g / 11 msvibration resistance1-6 Hz / 15 mm; 6-500 Hz / 2 greference code according to IEC 60068-2-275/28/2009certificate of suitability0• according to ATEX directive 2014/34/EUBVS 06 ATEX F001• according to JTEX directive 2014/34/EUBVS 06 ATEX F001• according to IEC 60947-1corresponds to degree of severity 3contucted interferencecorresponds to degree of severity 3conductor-earth surge according to IEC2 kV• due to burst according to IEC 61000-4-32 kV• due to conductor-conductor surge according to IEC1 kV61000-4-51 kV• due to conductor-conductor surge according to IEC1 kV61000-4-51 kV• due to conductor-conductor surge according to IEC1 kV61000-4-51 kV• due to conductor-conductor surge according to IEC1 kV61000-4-51 kV• due to conductor-conductor surge according to IEC1 kV61000-4-51 kV <td><ul> <li>active power measurement</li> </ul></td> <td>No</td>	<ul> <li>active power measurement</li> </ul>	No
product component         No           • input for thermistor connection         No           consumed active power         0.2 W           insulation voltage         690 V           • with degree of pollution 3 at AC rated value         690 V           • for wires of main circuit according to IEC 60947-11 rated value         6 000 V           surge voltage resistance rated value         6 000 V           protection class IP         IP20           shock resistance according to IEC 60068-2-27         15g / 11 ms           vibration resistance         1-6 Hz / 15 mm; 6-500 Hz / 2 g           reference code according to IEC 81346-2         F           Substance Prohibitance (Date)         05/28/2009           certificate of suitability         ITS21 UKEX0464           • according to UKCA         ITS21 UKEX0464           explosion device group and category according to ATEX         corresponds to degree of severity 3           conductd interference according to IEC 60947-1         corresponds to degree of severity 3           conductor-earth surge according to IEC 4100-4-4         2 kV           e due to conductor-earth surge according to IEC 6100-4-3         2 kV           e due to conductor-earth surge according to IEC 6100-4-3         1 kV           e due to conductor-conductor surge according to IEC 6100-4-3         1 kV	<ul> <li>power measurement</li> </ul>	No
• input for thermistor connectionNoconsumed active power0.2 Winsulation voltage690 V• with degree of pollution 3 at AC rated value690 V• for wires of main circuit according to IEC 60947-1 rated value600 Vsurge voltage resistance rated value6000 Vprotection class IPIP20shock resistance according to IEC 60068-2-27156 / 11 msvibration resistance1-6 Hz / 15 mm; 6-500 Hz / 2 greference code according to IEC 81346-2FSubstance Prohibitance (Date)05/28/2009certificate of suitabilityITS21UKEX0464• according to UKCAITS21UKEX0464explosion device group and category according to ATEXII (2) G, II (2) D, I (M2)etter conductor reacting to IEC 600947-1class Aconductor latefreencecorresponds to degree of severity 3conductor latefreence2 kV• due to burst according to IEC 6100-4-42 kV• due to conductor-conductor surge according to IEC2 kV• due to conductor-conductor surge according to IEC 61000-4-51 kV• due to conductor-conductor surge according to IEC 61000-4-31 kV• due to conductor-conductor surge according to IEC 61000-4-31 kV• due to conductor-conductor surge according to IEC 61000-4-31 kV• due to conductor-conductor surge according to IEC 61000-4-31 kV• due to conductor-conductor surge according to IEC 61000-4-31 kV• due to conductor-conductor surge according to IEC 61000-4-31 kV• due to conductor-conductor surge acco	<ul> <li>frequency measurement</li> </ul>	No
consumed active power0.2 Winsulation voltage90 V• with degree of pollution 3 at AC rated value690 V• for wires of main circuit according to IEC 60947-1 rated value60 00 Vsurge voltage resistance rated value6 000 Vprotection class IPIP20shock resistance according to IEC 60068-2-2715g / 11 msvibration resistance1-6 Hz / 15 mm; 6-500 Hz / 2 greference code according to IEC 81346-2FSubstance Prohibitance (Date)05/28/2009certificate of suitabilityeacording to ATEX directive 2014/34/EU• according to VKCAITS21UKEX0464explosion device group and category according to ATEXII (2) G, II (2) D, I (M2)electromagnetic compatibilityclass Aconductor earth surge according to IEC 60947-1class Ae. due to burst according to IEC 61000-4-42 kV• due to conductor-cearth surge according to IEC2 kV• due to conductor-conductor surge according to IEC1 kV61000-4-5.1 kVe. due to conductor-conductor surge according to IEC 61000-4-31 v/mtheta conductor-conductor surge according to IEC 61000-4-31 v/me. due to conductor-conductor surge according to IEC 61000-4-31 v/mfield	product component	
Insulation voltageInsulation• with degree of pollution 3 at AC rated value690 V• for wires of main circuit according to IEC 60947-11 rated value6 kVsurge voltage resistance rated value6 000 Vprotection class IPIP20shock resistance according to IEC 60068-2-2715g / 11 msvibration resistance1-6 Hz / 15 mm; 6-500 Hz / 2 greference code according to IEC 81346-2FSubstance Prohibitance (Date)05/28/2009certificate of suitability05/28/2009• according to VCAITS21UKEX0464• according to VCAITS21UKEX0464explosion device group and category according to ATEXII (2) G, II (2 ) D, I (M2)EMC emitted interference according to IEC 60947-1class Aconducted interference•• due to burst according to IEC 6100-4-42 kV• due to conductor-conductor surge according to IEC2 kV• due to conductor-conductor surge according to IEC1 kV61000-4-510 V/mInputs/ Outputs10 V/mnumber of outputs as contact-affected switching0	<ul> <li>input for thermistor connection</li> </ul>	No
• with degree of pollution 3 at AC rated value690 V• for wires of main circuit according to IEC 60947-1 rated value6 KVsurge voltage resistance rated value6 000 Vprotection class IPIP20shock resistance according to IEC 60068-2-2715g / 11 msvibration resistance1-6 Hz / 15 mm; 6-500 Hz / 2 greference code according to IEC 81346-2FSubstance Prohibitance (Date)05/28/2009certificate of suitability05/28/2009• according to ATEX directive 2014/34/EUBVS 06 ATEX F001• according to UKCAITS21UKEX0464explosion device group and category according to ATEXII (2) G, II (2) D, I (M2)Electomagnetic compatibilitycorresponds to degree of severity 3conducted interferencecorresponds to degree of severity 3• due to burst according to IEC 61000-4-42 kV• due to conductor-candrug to IEC 61000-4-31 kV• due to conductor-candrug to IEC 61000-4-31 kV• due to conductor-conductor surge according to IEC1 kV• due to conductor-conductor surge according to IEC1 kV• due to conductor-conductor surge according to IEC1 kV• due to conductor-conductor surge according to IEC10 V/m• field-based interference according to IEC 61000-4-310 V/m• due to conductor-conductor surge according to IEC10 V/m </th <td>consumed active power</td> <td>0.2 W</td>	consumed active power	0.2 W
• for wires of main circuit according to IEC 60947-1 rated value6 kVsurge voltage resistance rated value6 000 Vprotection class IPIP20shock resistance according to IEC 60068-2-2715g / 11 msvibration resistance1-6 Hz / 15 mm; 6-500 Hz / 2 greference code according to IEC 81346-2FSubstance Prohibitance (Date)02/28/2009certificate of suitabilityITS21UKEX0464• according to ATEX directive 2014/34/EUBVS 06 ATEX F001• according to UKCAITS21UKEX0464explosion device group and category according to ATEXII (2) G, II (2) D, 1 (M2)Electromagnetic compatibilitycorresponds to degree of severity 3explosion device interferencecorresponds to degree of severity 3edue to burst according to IEC 60947-1class Aedue to conductor-earth surge according to IEC2 kVédue to conductor-conductor surge according to IEC2 kVédue to conductor-conductor surge according to IEC1 kVélou0-4-510 V/mindue to furst according to IEC 61000-4-310 V/mindue to conductor-conductor surge according to IEC1 kVélou0-4-510 V/mindue to conductor-conductor surge according to IEC10 V/mIntures of outputs as contact-affected switching0element0	insulation voltage	
rated value6000 Vsurge voltage resistance rated value6000 Vprotection class IPIP20shock resistance according to IEC 60068-2-2715g / 11 msvibration resistance1-6 Hz / 15 mm; 6-500 Hz / 2 greference code according to IEC 81346-2FSubstance Prohibitance (Date)05/28/2009certificate of suitabilityU- according to ATEX directive 2014/34/EUBVS 06 ATEX F001- according to UKCAITS21UKEX0464explosion device group and category according to ATEXII (2) G, II (2) D, I (M2)electromagnetic compatibilitycorresponds to degree of severity 3conducted interference according to IEC 60947-1corresponds to degree of severity 3conducted interference- due to bonductor-conductor surge according to IEC2 kV- due to conductor-conductor surge according to IEC1 kV- field-based interference according to IEC 61000-4-310 V/m- houb conductor-conductor surge according to IEC1 kV- field-based interference according to IEC 61000-4-310 V/m- houb conductor-conductor surge according to IEC1 kV- field-based interference according to IEC 61000-4-310 V/m- houb conductor-conductor surge according to IEC1 kV- field-based interference according to IEC 61000-4-310 V/m- houb conductor-conductor surge according to IEC1 kV- field-based interference according to IEC 61000-4-310 V/m- houb conductor-conductor-affected switching0- houb conductor-af	<ul> <li>with degree of pollution 3 at AC rated value</li> </ul>	690 V
protection class IPIP20shock resistance according to IEC 60068-2-2715g / 11 msvibration resistance1-6 Hz / 15 mm; 6-500 Hz / 2 greference code according to IEC 81346-2FSubstance Prohibitance (Date)05/28/2009certificate of suitabilityBVS 06 ATEX F001• according to NTEX directive 2014/34/EUBVS 06 ATEX F001• according to UKCAITS21UKEX0464explosion device group and category according to ATEXII (2) G, II (2) D, I (M2)Electromagnetic compatibilitycorresponds to degree of severity 3EMC emitted interferencecorresponds to degree of severity 3e. due to conductor-earth surge according to IEC 61000-4-42 kV• due to conductor-conductor surge according to IEC 61000-4-31 kV• due to conductor-conductor surge according to IEC 61000-4-310 V/mInputs/ Outputs10 V/m	0	6 kV
shock resistance according to IEC 60068-2-2715g / 11 msvibration resistance1-6 Hz / 15 mm; 6-500 Hz / 2 greference code according to IEC 81346-2FSubstance Prohibitance (Date)05/28/2009certificate of suitabilityBVS 06 ATEX F001• according to ATEX directive 2014/34/EUBVS 06 ATEX F001• according to UKCAITS21UKEX0464explosion device group and category according to ATEXII (2) G, II (2) D, I (M2)Electromagnetic compatibilitycorresponds to degree of severity 3EMC emitted interference according to IEC 60947-1class Aconducted interference2 kV• due to conductor-conductor surge according to IEC2 kV61000-4-50 IEC 61000-4-3• due to conductor-conductor surge according to IEC1 kV61000-4-510 V/mInputs/ Outputs10 V/mnumber of outputs as contact-affected switching0	surge voltage resistance rated value	6 000 V
vibration resistance1-6 Hz / 15 mm; 6-500 Hz / 2 greference code according to IEC 81346-2FSubstance Prohibitance (Date)05/28/2009certificate of suitabilityBVS 06 ATEX F001• according to ATEX directive 2014/34/EUBVS 06 ATEX F001• according to UKCAITS21UKEX0464explosion device group and category according to ATEXII (2) G, II (2) D, I (M2)Electromagnetic compatibilitycorresponds to degree of severity 3EMC emitted interference according to IEC 60947-1class Aconducted interferencecorresponds to degree of severity 3• due to burst according to IEC 61000-4-42 kV• due to conductor-conductor surge according to IEC1 kV61000-4-51 kV• field-based interference according to IEC 61000-4-310 V/mInputs/ Outputs0	protection class IP	IP20
reference code according to IEC 81346-2       F         Substance Prohibitance (Date)       05/28/2009         certificate of suitability       0         • according to ATEX directive 2014/34/EU       BVS 06 ATEX F001         • according to UKCA       ITS21UKEX0464         explosion device group and category according to ATEX       II (2) G, II (2) D, I (M2)         Electromagnetic compatibility       II (2) G, II (2) D, I (M2)         EMC emitted interference according to IEC 60947-1       class A         conducted interference       • due to burst according to IEC 61000-4-4       2 kV         • due to conductor-earth surge according to IEC       2 kV         • due to conductor-conductor surge according to IEC       1 kV         field-based interference according to IEC 61000-4-3       10 V/m         Inputs/ Outputs       0	shock resistance according to IEC 60068-2-27	15g / 11 ms
Substance Prohibitance (Date)       05/28/2009         certificate of suitability       BVS 06 ATEX F001         • according to ATEX directive 2014/34/EU       BVS 06 ATEX F001         • according to UKCA       ITS21UKEX0464         explosion device group and category according to ATEX       II (2) G, II (2) D, I (M2)         etectromagnetic compatibility       Electromagnetic compatibility         EMC emitted interference according to IEC 60947-1       class A         conducted interference       corresponds to degree of severity 3         • due to burst according to IEC 61000-4-4       2 kV         • due to conductor-earth surge according to IEC       2 kV         • due to conductor-conductor surge according to IEC       1 kV         • field-based interference according to IEC 61000-4-3       10 V/m         Inputs/ Outputs       0	vibration resistance	1-6 Hz / 15 mm; 6-500 Hz / 2 g
certificate of suitability• according to ATEX directive 2014/34/EUBVS 06 ATEX F001 ITS21UKEX0464 ITS21UKEX0464 II (2) G, II (2) D, I (M2)explosion device group and category according to ATEX directive 2014/34/EUII (2) G, II (2) D, I (M2)Electromagnetic compatibilityElectromagnetic compatibilityEMC emitted interference according to IEC 60947-1 EMC immunity according to IEC 60947-1 conducted interferenceclass A corresponds to degree of severity 3e due to burst according to IEC 61000-4-4 6 1000-4-5 e due to conductor-conductor surge according to IEC 61000-4-52 kVe due to conductor-conductor surge according to IEC 61000-4-51 kVfield-based interference according to IEC 61000-4-310 V/mInputs/ Outputs0	reference code according to IEC 81346-2	F
<ul> <li>according to ATEX directive 2014/34/EU</li> <li>according to UKCA</li> <li>according to UKCA</li> <li>TIS21UKEX0464</li> <li>II (2) G, II (2) D, I (M2)</li> </ul> Electromagnetic compatibility EMC emitted interference according to IEC 60947-1 <ul> <li>class A</li> <li>corresponds to degree of severity 3</li> </ul> conducted interference <ul> <li>due to burst according to IEC 61000-4-4</li> <li>due to conductor-earth surge according to IEC</li> <li>61000-4-5</li> <li>due to conductor-conductor surge according to IEC</li> <li>action thereference according to IEC 61000-4-3</li> <li>TIX</li> </ul> 1 NWDer of outputs as contact-affected switching element <ul> <li>0</li> </ul>	Substance Prohibitance (Date)	05/28/2009
• according to UKCAITS21UKEX0464explosion device group and category according to ATEX directive 2014/34/EUII (2) G, II (2 ) D, I (M2)Electromagnetic compatibilityElectromagnetic compatibilityEMC emitted interference according to IEC 60947-1 conducted interferenceclass A corresponds to degree of severity 3e due to burst according to IEC 61000-4-4 61000-4-52 kVe due to conductor-earth surge according to IEC 61000-4-51 kVfield-based interference according to IEC 61000-4-310 V/mInputs/ Outputs0	certificate of suitability	
explosion device group and category according to ATEX directive 2014/34/EU Electromagnetic compatibility EMC emitted interference according to IEC 60947-1 EMC immunity according to IEC 60947-1 conducted interference e due to burst according to IEC 61000-4-4 e due to conductor-earth surge according to IEC 61000-4-5 e due to conductor-conductor surge according to IEC 61000-4-5 field-based interference according to IEC 61000-4-3 INUME Number of outputs as contact-affected switching element 0 III (2) G, II (2) D, 1 (M2) III (2) D, 1 (M2) III (2) G, II (2) D, 1 (M2) Compatibility Class A corresponds to degree of severity 3 corresponds to degree of sever	<ul> <li>according to ATEX directive 2014/34/EU</li> </ul>	BVS 06 ATEX F001
directive 2014/34/EU     Control of the terminal of term	<ul> <li>according to UKCA</li> </ul>	ITS21UKEX0464
EMC emitted interference according to IEC 60947-1       class A         EMC immunity according to IEC 60947-1       corresponds to degree of severity 3         conducted interference       edue to burst according to IEC 61000-4-4       2 kV         e due to conductor-earth surge according to IEC 61000-4-5       2 kV       2 kV         e due to conductor-conductor surge according to IEC 61000-4-5       1 kV       1 kV         field-based interference according to IEC 61000-4-3       10 V/m       10 V/m         Inputs/ Outputs       0       0       0		II (2) G, II (2 ) D, I (M2)
EMC immunity according to IEC 60947-1       corresponds to degree of severity 3         conducted interference       -         • due to burst according to IEC 61000-4-4       2 kV         • due to conductor-earth surge according to IEC       2 kV         61000-4-5       -         • due to conductor-conductor surge according to IEC       1 kV         61000-4-5       -         • due to conductor-conductor surge according to IEC       1 kV         field-based interference according to IEC 61000-4-3       10 V/m         Inputs/Outputs       0	Electromagnetic compatibility	
conducted interference       • due to burst according to IEC 61000-4-4       2 kV         • due to conductor-earth surge according to IEC       2 kV         61000-4-5       • due to conductor-conductor surge according to IEC         • due to conductor-conductor surge according to IEC       1 kV         61000-4-5       10 V/m         Inputs/ Outputs       0	EMC emitted interference according to IEC 60947-1	class A
• due to burst according to IEC 61000-4-4       2 kV         • due to conductor-earth surge according to IEC       2 kV         61000-4-5       1 kV         • due to conductor-conductor surge according to IEC       1 kV         61000-4-5       10 V/m         Inputs/ Outputs         number of outputs as contact-affected switching element       0	EMC immunity according to IEC 60947-1	corresponds to degree of severity 3
<ul> <li>due to conductor-earth surge according to IEC 2 kV</li> <li>61000-4-5</li> <li>due to conductor-conductor surge according to IEC 1 kV</li> <li>61000-4-5</li> <li>field-based interference according to IEC 61000-4-3</li> <li>10 V/m</li> <li>Inputs/ Outputs</li> <li>number of outputs as contact-affected switching element</li> <li>0</li> </ul>	conducted interference	
61000-4-5       • due to conductor-conductor surge according to IEC       1 kV         61000-4-5       field-based interference according to IEC 61000-4-3       10 V/m         Inputs/ Outputs       0         element       0	<ul> <li>due to burst according to IEC 61000-4-4</li> </ul>	2 kV
61000-4-5       field-based interference according to IEC 61000-4-3       Inputs/ Outputs       number of outputs as contact-affected switching element		2 kV
Inputs/ Outputs number of outputs as contact-affected switching element 0		1 kV
number of outputs as contact-affected switching 0 element 0	field-based interference according to IEC 61000-4-3	10 V/m
element	Inputs/ Outputs	
Protective and monitoring functions		0
	Protective and monitoring functions	
product function	product function	

	N
power factor monitoring	No
ground-fault monitoring	No
voltage detection	No
trip class	CLASS 5E
product function	N
current detection	Yes
<ul> <li>overload protection</li> </ul>	Yes
Installation/ mounting/ dimensions	
mounting position	any
fastening method	screw and snap-on mounting
height	94 mm
width	55 mm
depth	72 mm
required spacing	
• top	30 mm
• bottom	30 mm
• left	0 mm
• right	0 mm
diameter of inlet opening	14 mm
diameter of inlet opening for current measurement	14 mm
Ambient conditions	
installation altitude at height above sea level	
• 1 maximum	2 000 m
• 2 maximum	3 000 m; max. +50 °C (no protective separation)
• 3 maximum	4 000 m; max. +40 °C (no protective separation)
ambient temperature	
<ul> <li>during operation</li> </ul>	-25 +60 °C
<ul> <li>during storage</li> </ul>	-40 +80 °C
<ul> <li>during transport</li> </ul>	-40 +80 °C
environmental category	
<ul> <li>during operation according to IEC 60721</li> </ul>	3K6 (no formation of ice, no condensation, relative humidity 10 95%),
<ul> <li>during storage according to IEC 60721</li> </ul>	3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6 1K6 (no condensation, relative humidity 10 95%), 1C2 (no salt mist),
a during transport according to IEC 60721	1S2 (sand must not get into the devices), 1M4
during transport according to IEC 60721     relative humidity during operation	2K2, 2C1, 2S1, 2M2
relative humidity during operation	
relative humidity during operation Short-circuit protection	2K2, 2C1, 2S1, 2M2 5 95 %
relative humidity during operation Short-circuit protection product function short circuit protection	2K2, 2C1, 2S1, 2M2
relative humidity during operation Short-circuit protection product function short circuit protection Galvanic isolation	2K2, 2C1, 2S1, 2M2 5 95 %
relative humidity during operation Short-circuit protection product function short circuit protection	2K2, 2C1, 2S1, 2M2 5 95 %
relative humidity during operation Short-circuit protection product function short circuit protection Galvanic isolation (electrically) protective separation according to IEC	2K2, 2C1, 2S1, 2M2 5 95 % No All circuits with protective separation (double creepage paths and clearances), the information in the "Protective Separation" test report,
relative humidity during operation Short-circuit protection product function short circuit protection Galvanic isolation (electrically) protective separation according to IEC 60947-1 Main circuit	2K2, 2C1, 2S1, 2M2 5 95 % No All circuits with protective separation (double creepage paths and clearances), the information in the "Protective Separation" test report, No. A0258, must be observed (link see further information)
relative humidity during operation Short-circuit protection product function short circuit protection Galvanic isolation (electrically) protective separation according to IEC 60947-1	2K2, 2C1, 2S1, 2M2 5 95 % No All circuits with protective separation (double creepage paths and clearances), the information in the "Protective Separation" test report,
relative humidity during operation Short-circuit protection product function short circuit protection Galvanic isolation (electrically) protective separation according to IEC 60947-1 Main circuit number of poles for main current circuit adjustable current response value current of the	2K2, 2C1, 2S1, 2M2 5 95 % No All circuits with protective separation (double creepage paths and clearances), the information in the "Protective Separation" test report, No. A0258, must be observed (link see further information) 3
relative humidity during operation Short-circuit protection product function short circuit protection Galvanic isolation (electrically) protective separation according to IEC 60947-1 Main circuit number of poles for main current circuit adjustable current response value current of the current-dependent overload release	2K2, 2C1, 2S1, 2M2 5 95 % No All circuits with protective separation (double creepage paths and clearances), the information in the "Protective Separation" test report, No. A0258, must be observed (link see further information) 3
relative humidity during operation Short-circuit protection product function short circuit protection Galvanic isolation (electrically) protective separation according to IEC 60947-1 Main circuit number of poles for main current circuit adjustable current response value current of the current-dependent overload release operating voltage	2K2, 2C1, 2S1, 2M2 5 95 % No All circuits with protective separation (double creepage paths and clearances), the information in the "Protective Separation" test report, No. A0258, must be observed (link see further information) 3 10 100 A 110 690 V
relative humidity during operation Short-circuit protection product function short circuit protection Galvanic isolation (electrically) protective separation according to IEC 60947-1 Main circuit number of poles for main current circuit adjustable current response value current of the current-dependent overload release operating voltage • at AC	2K2, 2C1, 2S1, 2M2 5 95 % No All circuits with protective separation (double creepage paths and clearances), the information in the "Protective Separation" test report, No. A0258, must be observed (link see further information) 3 10 100 A
relative humidity during operation Short-circuit protection product function short circuit protection Galvanic isolation (electrically) protective separation according to IEC 60947-1 <u>Main circuit</u> number of poles for main current circuit adjustable current response value current of the current-dependent overload release operating voltage • at AC — at 50 Hz rated value	2K2, 2C1, 2S1, 2M2 5 95 % No All circuits with protective separation (double creepage paths and clearances), the information in the "Protective Separation" test report, No. A0258, must be observed (link see further information) 3 10 100 A 110 690 V
relative humidity during operation Short-circuit protection product function short circuit protection Galvanic isolation (electrically) protective separation according to IEC 60947-1 Main circuit number of poles for main current circuit adjustable current response value current of the current-dependent overload release operating voltage • at AC — at 50 Hz rated value — at 60 Hz rated value	2K2, 2C1, 2S1, 2M2 5 95 % No All circuits with protective separation (double creepage paths and clearances), the information in the "Protective Separation" test report, No. A0258, must be observed (link see further information) 3 10 100 A 110 690 V 110 690 V
relative humidity during operation Short-circuit protection product function short circuit protection Galvanic isolation (electrically) protective separation according to IEC 60947-1 <u>Main circuit</u> number of poles for main current circuit adjustable current response value current of the current-dependent overload release operating voltage • at AC — at 50 Hz rated value — at 60 Hz rated value operating frequency rated value	2K2, 2C1, 2S1, 2M2 5 95 % No All circuits with protective separation (double creepage paths and clearances), the information in the "Protective Separation" test report, No. A0258, must be observed (link see further information) 3 10 100 A 110 690 V 110 690 V
relative humidity during operation Short-circuit protection product function short circuit protection Galvanic isolation (electrically) protective separation according to IEC 60947-1 Main circuit number of poles for main current circuit adjustable current response value current of the current-dependent overload release operating voltage • at AC — at 50 Hz rated value — at 60 Hz rated value operating frequency rated value Control circuit/ Control	2K2, 2C1, 2S1, 2M2 5 95 % No All circuits with protective separation (double creepage paths and clearances), the information in the "Protective Separation" test report, No. A0258, must be observed (link see further information) 3 10 100 A 110 690 V 110 690 V 50 60 Hz
relative humidity during operation Short-circuit protection product function short circuit protection Galvanic isolation (electrically) protective separation according to IEC 60947-1 Main circuit number of poles for main current circuit adjustable current response value current of the current-dependent overload release operating voltage • at AC — at 50 Hz rated value — at 60 Hz rated value operating frequency rated value Control circuit/ Control type of voltage Certificates/ approvals	2K2, 2C1, 2S1, 2M2 5 95 % No All circuits with protective separation (double creepage paths and clearances), the information in the "Protective Separation" test report, No. A0258, must be observed (link see further information) 3 10 100 A 110 690 V 110 690 V 50 60 Hz AC
relative humidity during operation Short-circuit protection product function short circuit protection Galvanic isolation (electrically) protective separation according to IEC 60947-1 <u>Main circuit</u> number of poles for main current circuit adjustable current response value current of the current-dependent overload release operating voltage • at AC — at 50 Hz rated value — at 60 Hz rated value operating frequency rated value <u>Control circuit/ Control</u> type of voltage	2K2, 2C1, 2S1, 2M2 5 95 % No All circuits with protective separation (double creepage paths and clearances), the information in the "Protective Separation" test report, No. A0258, must be observed (link see further information) 3 10 100 A 110 690 V 110 690 V 50 60 Hz
relative humidity during operation Short-circuit protection product function short circuit protection Galvanic isolation (electrically) protective separation according to IEC 60947-1 <u>Main circuit</u> number of poles for main current circuit adjustable current response value current of the current-dependent overload release operating voltage • at AC — at 50 Hz rated value — at 60 Hz rated value operating frequency rated value <u>control circuit/ Control</u> type of voltage <u>Certificates/ approvals</u> <u>General Product Approval</u>	2K2, 2C1, 2S1, 2M2 5 95 % No All circuits with protective separation (double creepage paths and clearances), the information in the "Protective Separation" test report, No. A0258, must be observed (link see further information) 3 10 100 A 110 690 V 110 690 V 50 60 Hz EMC
relative humidity during operation Short-circuit protection product function short circuit protection Galvanic isolation (electrically) protective separation according to IEC 60947-1 <u>Main circuit</u> number of poles for main current circuit adjustable current response value current of the current-dependent overload release operating voltage • at AC — at 50 Hz rated value — at 60 Hz rated value operating frequency rated value Control circuit/ Control type of voltage <u>Certificates/ approvals</u>	2K2, 2C1, 2S1, 2M2 5 95 % No All circuits with protective separation (double creepage paths and clearances), the information in the "Protective Separation" test report, No. A0258, must be observed (link see further information) 3 10 100 A 110 690 V 110 690 V 50 60 Hz EMC
relative humidity during operation Short-circuit protection product function short circuit protection Galvanic isolation (electrically) protective separation according to IEC 60947-1 <u>Main circuit</u> number of poles for main current circuit adjustable current response value current of the current-dependent overload release operating voltage • at AC — at 50 Hz rated value — at 60 Hz rated value operating frequency rated value <u>control circuit/ Control</u> type of voltage <u>Certificates/ approvals</u> <u>General Product Approval</u>	2K2, 2C1, 2S1, 2M2 5 95 % No All circuits with protective separation (double creepage paths and clearances), the information in the "Protective Separation" test report, No. A0258, must be observed (link see further information) 3 10 100 A 110 690 V 110 690 V 50 60 Hz EMC





## last modified:

7/15/2022 🖸

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