## SIEMENS

## Data sheet

## 6GK5124-0BA00-2AC2



SCALANCE XC124, unmanaged IE switch, 24x 10/100 Mbit/s RJ45 ports, LED diagnostics, error-signaling contact with set pushbutton, redundant power supply manual available as a download .

product type designation	SCALANCE XC124
transfer rate	
transfer rate	10 Mbit/s, 100 Mbit/s
interfaces / for communication / integrated	
number of electrical connections	
<ul> <li>for network components or terminal equipment</li> </ul>	24; RJ45
interfaces / other	
number of electrical connections	
<ul> <li>for signaling contact</li> </ul>	1
<ul> <li>for power supply</li> </ul>	1
type of electrical connection	
<ul> <li>for signaling contact</li> </ul>	2-pole terminal block
<ul> <li>for power supply</li> </ul>	4-pole terminal block
signal inputs/outputs	
operating voltage / of the signaling contacts	
<ul> <li>at DC / rated value</li> </ul>	24 V
operational current / of the signaling contacts	
• at DC / maximum	0.1 A
supply voltage, current consumption, power loss	
product component / connection for redundant voltage supply	Yes
type of voltage / 1 / of the supply voltage	DC
<ul> <li>supply voltage / 1 / rated value</li> </ul>	24 V
<ul> <li>power loss [W] / 1 / rated value</li> </ul>	7.8 W
<ul> <li>consumed current / 1 / at rated supply voltage / maximum</li> </ul>	0.65 A
<ul> <li>supply voltage / 1 / rated value</li> </ul>	9.6 31.2 V
<ul> <li>type of electrical connection / 1 / for power supply</li> </ul>	4-pole terminal block
<ul> <li>product component / 1 / fusing at power supply input</li> </ul>	Yes
<ul> <li>fuse protection type / 1 / at input for supply voltage</li> </ul>	2.5 A / 125 V
ambient conditions	
ambient temperature	
<ul> <li>during operation</li> </ul>	-40 +70 °C
<ul> <li>during storage</li> </ul>	-40 +85 °C
during transport	-40 +85 °C
relative humidity	
<ul> <li>at 25 °C / without condensation / during operation / maximum</li> </ul>	95 %
protection class IP	IP20

design         compact           width         100 mm           height         147 mm           depth         1125 mm           ret.wight         0.85 kg           matterial of the enclosure         Polycarbonate (PC-GF10)           fistering method         9.85 kg           • 83 mm top hat IDI rail mouning         Yes           • 87.71600 mil mouning         Yes           • 97.9160 mil mouning         Yes           • 97.9160 mil mouning         No           • Practic functions         reduct function           • multipot function / which managed         No           97.0040 function / Protocol (PRP) Redundant         No           • Practial Redundancy         Protocol (PRP) Redundant         No           97.0040 function / which managed         No         No           97.0040 function / Redundancy         Protocol (PRP) Redundant         No           97.0040 function / Redundancy         Protocol (PRP) Redundant         No           97.0040 f	design, dimensions and weights		
width         120 mm           height         137 mm           depth         135 mm           net weight         0.65 kg           material of the endoaure         Peyvarionate (PC-GF10)           fastering method         -           - 35 mm top hat DN rall mounting         Yes           - 83 mm top hat DN rall mounting         Yes           - 87.500 rall mounting         Yes           - 87.5100 rall mounting         Yes           - 87.5100 rall mounting         Yes           - 87.5100 rall mounting         Yes           - 97.5100 rall mounting         Yes           product functions         mouthor of automatically learnable MAC addresses         2048           product function         No         -cos           - 0.0510 relations / self-hamaged         No         -cos           product functions / relationary         Preside         -cos           - Prailel Redundancy Product function         Yes         -ester functions / self-hamaged           - for antiple relations. approvals         -strander         No           standard         - for antiple relations. approvals         -strander           - for antiple relations. approvals         -strander         For antiple relations. approvals           <		compact	
height     147 mm       deph     147 mm       deph     147 mm       metweight     0.85 kg       metweight     0.85 kg       instering method     Polycarbonate (PC-GF10)       istatering method     Yes       • 35 mt top hat DN rail mounting     Yes       • 37.100 and mounting     Yes       • 37.7500 and mounting     Yes       • 37.7500 and mounting     Yes       • 77.900 and mounting     No       • 7000ct functions / management, configuration, engineering     No       product function / switch managed     No       product functions / redundancy     Product function       product functions / redundancy     Proval       standards, specifications, approvals     Fe       standards, specifications, approvals     Fe       standards, speci		•	
deph     125 mm       net weight     125 mm       net material / of the enclosure     Polycamonate (PC-GF10)       fastering method     93 mit bot bit Ni rail mounting       • 35 mit bot bat Di N rail mounting     Yes       • 35 mit bot bat Di N rail mounting     Yes       • 57-500 rail mounting     Yes       • 75-700 rail mounting     Yes       • 75-700 rail mounting     Yes       • 75-700 rail mounting     No       • 70-02 railer fasters     product function       • multiport minoring     No       • CosS     Yes       product function / switch managed     No       product function / switch managed     No       product function / switch managed     No       product function     Yes       • Cos S     Yes       * for safely / from CSA and UL     UL 00950-1, CSA C22, 2 No. 60950-1       • for safely / from CSA and UL     UL 00950-1, CSA C22, 2 No. 60950-1       • for safely / from CSA and UL     UL 00950-1, CSA C22, 2 No. 60950-1       • for safely / from CSA and UL     UL 00950-1, CSA C22, 2 No. 60950-1       • for safely / from CSA and UL     UL 00950-1, CSA C22, 2 No. 60950-1       • for safely			
net weight         0.45 kg           meterial / of the enclosure         Poycarbonate (PC-GF10)           Tartening method         •           • vail mounting         Yes           • S7:300 rail mounting         Yes           • S7:7100 rail mounting         Yes           • S7:7300 rail mounting         No           • Cols         Yes           product function / managed         No           • Poralle Roundancy Protocol (PRP)/peeration in the PRP-network         Yes           • Poralet Roundancy Protocol (PRP)/Redundant         No           Network Access (RNA)         UL 80950-1, CSA C22.2 No. 80950-1           • for safety / from CSA and UL         UL 80950-1, CSA C22.2 No. 80950-1           • for safety / from CSA and UL         UL 80950-1, CSA C22.2 No. 80950-1           • for safety / from CSA and UL         UL 80950-1, CSA C22.2 No. 80950-1           • for actifications, approvals         KFE           • according to IC 61346-2         KF           • according to IC 61346-2         KF			
material / of the enclosure         Polycarbonate (PC-GF10)           Testening method         -35 mm top hat DIN rail mounting         Yes           • 35 mm top hat DIN rail mounting         Yes           • S7-300 rail mounting         Yes           product functions         product functions           • multiport mirroring         No           • CoS         Yes           product function         • multiport mirroring           • CoS         Yes           product function         • multiport mirroring           • Parallel Redundancy Protocol (PRP)/operation in the sprate functions, approvals         Standard           • for safety / from CSA and UL         UL 60990-1, CSA C22.2 No.60950-1           • for safety / from CSA and UL         UL 60990-1, CSA C22.2 No.60950-1           • for safety / from CSA and UL         UL 60990-1, CSA C22.2 No.60950-1           • for safety / from CSA and UL         UL 60990-1, CSA C22.2 No.60950-1           • for safety / from CSA and UL         UL 60990-1, CSA C22.2 No.60950-1           • for safety / from CSA and UL         CE           • fore saf			
Fastening method     Yes       • 35 mm top hal DIN rail mounting     Yes       • wall mounting     Yes       • 57-1500 rail mounting     Yes       • 57-1500 rail mounting     Yes       product functions, product components / general     number of automatically learnable MAC addresses     2048       product functions     management, configuration, engineering     No       • multiport function /     No       • multiport function /     No       • Pravielle Redundancy     Yes       product function /     No       • Pravielle Redundancy     Yes       • Praveliel Redundancy     Yes       • Praveliel Redundancy     Yes       • Praveliel Redundancy     Yes       • InterPRP-network     No       • Admards, specifications, approvals     Standard       • for safelr / from CSA and UL     UL 60850-1, CSA C22.2 No, 60950-1       • for safelr / from CSA and UL     UL 60850-1, CSA C22.2 No, 60950-1       • for safelr / from CSA and UL     UL 60850-1, CSA C22.2 No, 60950-1       • for safelr / from CSA and UL     UL 60850-1, CSA C22.2 No, 60950-1       • for safelr / from CSA and UL     UL 60850-1, CSA C22.2 No, 60950-1       • for or SA and UL     UL 60850-1, CSA C22.2 No, 60950-1       • for CSA and UL     UL 6040-1, 22/15 (ENR0075+15/2010, II/3 CE rn A IIC 14			
• 35 mm top hat DN rail mounting     Yes       • wall mounting     Yes       • S7-300 rail mounting     Yes       • S7-300 rail mounting     Yes       • Ordert Eastwares, product functions, product components / general       number of automatically learnable MAC addresses     2048       product functions / management, configuration, engineering     product function       • multiport mirroring     No       • CoS     Yes       product function / switch-managed     No       product function     Product function       • Pravallel Redundancy Protocol (PRP)/Redundant     No       Network Access (RNA)     No       standard     UL 60950-1, CSA C22, 2 No. 60950-1       • for safely / from CSA and UL     UL 60950-1, CSA C22, 2 No. 60950-1       • for safely / from CSA and UL     UL 60950-1, CSA C22, 2 No. 60950-1       • for safely / from CSA and UL     UL 60950-1, CSA C22, 2 No. 60950-1       • for safely / from CSA and UL     UL 60950-1, CSA C22, 2 No. 60950-1       • for safely / from CSA and UL     UL 60950-1, CSA C22, 2 No. 60950-1       • for safely / from CSA and UL     UL 60950-1, CSA C22, 2 No. 60950-1       • for entide interference     Freference       • for entide interference     Freference       • for entide interference     Freference       • for entide interference     Freference </td <td></td> <td></td>			
wall mounting     Yes     S7-1500 rail mounting     Yes     Yes     S7-1500 rail mounting     Yes     Yes	5	Vos	
S7-300 ral mounting     Yes     S7-500 ral mounting     Yes     Product factures, product functions, product components / general     number of automatically learnable MAC addresses     2048     product functions / management, configuration, engineering     product functions / management, configuration, engineering     product functions / management, configuration, engineering     product function / switch-managed     No <ul> <li>CoS</li> <li>Yes</li> <li>product function / switch-managed</li> <li>No</li> <li>CoS</li> <li>Yes</li> <li>product function / switch-managed</li> <li>No</li> <li>Product function</li> <li>Paralel Redundancy Protocol (PRP)/operation in             the PRP-relevork</li> <li>Paralel Redundancy Protocol (PRP)/Redundant             No</li> </ul> <li>Standards, specifications, approvals     </li> <li>standard         <ul> <li>for safety / from CSA and UL</li> <li>UL 60960-1, CSA C22.2 No. 60950-1</li> <li>EN 61000-6-4 (Class B)</li> </ul> </li> <li>efference code         <ul> <li>according to IEC 81346-2</li> <li>KFE</li> <li>standard, specifications, approvals / GE</li> <li>certificate of suitability / CE marking             Yes</li> </ul> </li> <li>standard, specifications, approvals / GE</li> <li>certificate of suitability / CE marking         <ul> <li>from CSA and UL</li> <li>Genetification s. approvals / GE</li> <li>eth addres, specifications, approvals / GE</li> <li>certificate of suitability             <ul> <li>from CSA and UL</li> <li>Genetification s. approvals / GE</li> <li>eth addres, specifications, approvals / GE</li> <li>eth addres, specifications, approvals / Marardous and/ Secondu (CC / Gr seardous zone according to GB standard             Ye</li></ul></li></ul></li>			
• \$7:1500 rail mounting       Yes         product failures, product functions, product component/ / general       Innume of automatically learning bMC address       2048         product functions       Innume of automatically learning       No         • multiport mirroring       No         • multiport mirroring       No         product function / switch-managed       Yes         product function / redundancy       Protocol (PRP)/persition in         • Paralle Redundancy Protocol (PRP)/Redundant       No         • Andards, specifications, approvals       Standard         • for antificit Interference       EN 61000-64 (Class B)         reference code       eaccording to IEC 81346-2         • according to IEC 81346-2       KF	0		
product features, product functions, product components / general         2048           number of automatically learnable MAC addresses         2048           product functions / management, configuration, engineering         product functions / management, configuration, engineering           product function / subth-managed         No           product function / subth managed         No           standard subth managed         No           exact functions, supprovals         Standard support (access (RNA)           standard is cossifications, approvals         Standard is specifications, approvals / Ec           eacording to EC 81346-2         KF           eatondards, specifications, approvals / Dez         Ec 60079-02011; EC 6079-02011; EC 6079-02	5		
number of automatically learnable MAC addresses         2048           product functions         enultiport mirroring         No           • OCS         Yes           product functions / switch-managed         No           product functions / redundancy         No           product function         • Ramile Redundancy Protocol (PRP)/speration in the PRP-network         Yes           • Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA)         No           standards         specifications, approvals           standards         specifications, approvals           standards         specifications, approvals           standards         Specifications, approvals / CE           certificate of suitability / CE         marking           viandards         Yes           standards         specifications, approvals / Lez reductions = not reductions /			
product functions / management, configuration, engineering           product function           • multipot minroring         No           • OSS         Yes           product function / switch-managed         No           standards, specifications, approvals         Standard           standards, specifications, approvals         Standard           standards, specifications, approvals / CE         EN 61000-6-4 (Class B)           reference code         KF           e.coording to IEC 81346-2         KF           standards, specifications, approvals / CE         Standard, specifications, approvals / CE           cettificate of suitability         CE           e.for CSA and UL         UL 604 and U.22716 (Hazardous Location, Class 1 / Zone 2 / Group IIC / T.           cettificate of suitability         EE N 61000-6-2, EN 61000-6-4      <			
product function         No           • c.cs         Yes           product function / switch-managed         No           product functions / redundancy         Yes           product function         Yes           • Paralel Redundancy Protocol (PRP)/operation in the PRP-network         Yes           • Paralel Redundancy Protocol (PRP)/Redundant Network Access (RNA)         No           standards         specifications. approvals           standards         specifications. approvals           standards. specifications. approvals / fee         EN 61000-64 (Class B)           reference code         EN 61000-64 (Class B)           • or safety / from CSA and UL         UL 60950-1, CSA C22.2 No. 60950-1           • for emitted interference         EN 61000-64 (Class B)           reference code         eacording to IEC 81346-2:2019           standards, specifications, approvals / CE         certificate of suitability / CE           • eacording to IEC 81346-2:2019         KFE           standard, gepecifications, approvals / Dezardous and environments         Standards, specifications, approvals / CE           • entiticate of suitability         CE         Ce corpo2011, IEC 6079-0-15:2010, II 3 G Ex nA IIC T4           • from CSA and UL         Group A. B, C, D / T Class 1 / Zone 2 / Group IIC / T           certificate of suitabi			
• multiport mirroring         No           • CoS         Yes           product function / switch-managed         No           product functions / redundancy         Product functions / redundancy           product functions / redundancy Protocol (PRP)/Redundant         Yes           • Parallel Redundancy Protocol (PRP)/Redundant         No           • Parallel Redundancy Protocol (PRP)/Redundant         No           • for safety / from CSA and UL         UL 60950-1, CSA C22.2 No. 60950-1           • for safety / from CSA and UL         UL 60950-1, CSA C22.2 No. 60950-1           • for safety / from CSA and UL         UL 60950-1, CSA C22.2 No. 60950-1           • for safety / from CSA and UL         UL 60950-1, CSA C22.2 No. 60950-1           • according to EC 81346-2:2019         KF           standard's specifications, approvals / CE         Certificate of suitability / CE marking           standard's pecifications, approvals / CE         Certificate of suitability           • from CSA and UL         UL 804 and UL 2270-15 (Hazardous Location), Class 1 / Division 2 / Group A, B, C, D / T Class 1 / Zone 2 / Group IIC / T           certificate of suitability         • CC / for hazardous zone according to CB standard         Yes           standard's specifications, approvals / Attributions / Yes         No         • Sectoreation of Conformity EN 61010, IEC           storind rease of Shi		ng	
Cos         Yes           product function / switch-managed         No           product functions / redundancy         Product functions / redundancy           product functions / redundancy         Yes           • Parallel Redundancy Protocol (PRP)/operation in the PRP-network         Yes           • Parallel Redundancy Protocol (PRP)/Redundant         No           Network Access (RNA)         No           standards         specifications, approvals           standard         - for safety / from CSA and UL         UL 60950-1, CSA C22 2 No. 60950-1           • for safety / from CSA and UL         UL 60950-1, CSA C22 2 No. 60950-1           • for safety / from CSA and UL         UL 60950-1, CSA C22 2 No. 60950-1           • for safety / from CSA and UL         UL 60950-1, CSA C22 2 No. 60950-1           • for safety / from CSA and UL         UL 60950-1, CSA C22 1 No. 60950-1           • cocording to IEC 81346-2.2019         KFE           standards, specifications, approvals / hazardous environments         standards, specifications, approvals / hazardous environments           standard / for hazardous zone         CCC / for hazardous zone according to GE standard           • form CSA and UL         Group A, B, C, D / T., Class 1 / Zone 2 / Group IIC / T.           certificate of suitability         CCC / for hazardous zone according to GB standard           • C			
product functions / switch-managed         No           product functions         Parallel Redundancy           product function         • Parallel Redundancy Protocol (PRP)/operation in the PRP-network         Yes           • Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA)         No           standard         • Or safety / from CSA and UL         UL 60950-1, CSA C22.2 No. 60950-1           • for emitted interference         EN 61000-6-4 (Class B)           reference code         • eccording to IEC 81346-2.2           • according to IEC 81346-2.2019         KFE           standards, specifications, approvals / CE         • ectrificate of suitability / CE marking           standard / for hazardous zone         EN 600079-02012 + A11:2013, EN60079-15:2010, II 3 G Ex nA IIC T4           occ. CC / for hazardous zone         EN 600079-02012 + A11:2013, EN60079-15:2010, II 3 G Ex nA IIC T4           octificate of suitability         · CE CC / for hazardous zone according to GB standard         Yes           standards, specifications, approvals / other         IED Class 1         IED Class 1           laser protection class         IED Class 1         EED Class 1           certificate of suitability         EN 61000-6-2, EN 61000-6-4         Yes           • Cadards, specifications, approvals / other         IED Class 1         No           laser protoction class	<ul> <li>multiport mirroring</li> </ul>	No	
product functions / redundancy         product function           • Parallel Redundancy Protocol (PRP)/operation in the PRP-network         Yes           • Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA)         No           standards.specifications, approvals         Standard           • for safety / from CSA and UL         UL 60950-1, CSA C22.2 No. 60950-1           • for safety / from CSA and UL         UL 60950-1, CSA C22.2 No. 60950-1           • for safety / from CSA and UL         UL 60950-1, CSA C22.2 No. 60950-1           • for safety / from CSA and UL         UL 60950-1, CSA C22.2 No. 60950-1           • for safety / from CSA and UL         UL 60950-1, CSA C22.2 No. 60950-1           • for mitted interference         EN 61000-6-4 (Class B)           reference code         • according to IEC 81346-2: 2019           • standards, specifications, approvals / CE         Certificate of suitability / CE marking           • transpecifications, approvals / CE         Certificate of suitability           • of CA and UL         Group A, B, C, D / T., Class 1 / Zone 2 / Group IIC / T           certificate of suitability         • CEC / for hazardous zone according to GB standard           reardiards, specifications, approvals / other         EED Class 1           laser protection class         EED Class 1           certificate of suitability         • CEC / for hazardous zone ac			
product function              • Parallel Redundancy Protocol (PRP)/peration in the PRP-network         Yes           • Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA)         No           standards, specifications, approvals             standardd • for safety / from CSA and UL • for emitted interference         UL 60950-1, CSA C22,2 No. 60950-1 • EN 61000-6-4 (Class B)           reference code • according to IEC 81346-2 • according to IEC 81346-2,2019         KFE           standards, specifications, approvals / CE certificate of suitability / CE marking         Yes           standards, specifications, approvals / DE certificate of suitability / CE marking         Yes           standards, specifications, approvals / DE certificate of suitability / CE marking         Yes           standards, specifications, approvals / DE certificate of suitability         CE marking         Yes           standards, specifications, approvals / Other         EA R60079-02012 + A11:2013, EN60079-15:2010, II 3 C Ex nA IIC T4 Group A, B, C, D / T, Class 1 / Zone 2 / Group IIC / T           certificate of suitability • CCC / for hazardous zone according to GB standard         Yes           standards, specifications, approvals / other         EED Class 1           laser protection class         LED Class 1           certificate of suitability • CC2 / for hazardous zone according to GB standard         Yes           • CC approval • Ex poproval         <		No	
• Parallel Redundancy Protocol (PRP)/operation in the PRP-network       Yes         • Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA)       No         standards, specifications, approvals       Standards         • for safely / from CSA and UL       UL 60950-1, CSA C22 2 No. 60950-1         • for mitted interference       EN 61000-6-4 (Class B)         reference code       KF         • according to IEC 81346-2       KF         • according to IEC 81346-2.2019       KFE         standards, specifications, approvals / CE       certificate of suitability / CE marking         certificate of suitability / CE marking       Yes         standard / for hazardous zone       EN 60079-0:2012 + A11:2013, EN60079-15:2010, II 3 G Ex nA IIC T4         Gc, KEMA 07ATEX0145 X, IEC 6079-0.2011, IEC 6079-0.2012         certificate of suitability       ELE Class 1         certificate of suitability       ELE Class 1         certificate of suitability       EN 61000-6-2, EN 61000-6-4         • CC approval       Yes         • CC app	product functions / redundancy		
the PRP-network       No         • Prarelie Radundaroy protocol (PRP)/Redundant Network Access (RNA)       No         standard       UL 60950-1, CSA C22.2 No. 60950-1         • for safety / from CSA and UL       UL 60950-1, CSA C22.2 No. 60950-1         • for safety / from CSA and UL       UL 60950-1, CSA C22.2 No. 60950-1         • for safety / from CSA and UL       KF         • according to IEC 81346-2       KF         • according to IEC 81346-2       KF         • according to IEC 81346-2       KF         standards, specifications, approvals / DE       certificate of suitability / CE marking         • according to IEC 81346-2       KF         standards, specifications, approvals / hzardous environments       standards, specifications, approvals / hzardous continue (Ref Norther Science)         standards, specifications, approvals / hzardous continue (Ref Norther Science)       UL 1604 and UL 2279-15 (Hazardous Location), Class 1 / Division 2 / Group A, B, C, D / T, Class 1 / Zone 2 / Group IIC / T         certificate of suitability       EED Class 1         certificate of suitability       EED Class 1         certificate of suitability       EED Class 1         certificate of suitability       Yes         standards, specifications, approvals / other       Yes         taster protection class       EED Class 1         certif	product function		
Network Access (RNA)         standards, specifications, approvals         standard         • for safety / from CSA and UL         • for safety / from CSA and UL         • for emitted interference         reference code         • according to IEC 81346-2         • according to IEC 81346-2:2019         standards, specifications, approvals / CE         certificate of suitability / CE marking         Yes         standards, specifications, approvals / hazardous environments         standard / for hazardous zone         • from CSA and UL         • from CSA and UL         Certificate of suitability         • form CSA and UL         Certificate of suitability         • CC / for hazardous zone according to GB standard         Yes         standards, specifications, approvals / other         Iaser protection class         certificate of suitability         • CC / for hazardous zone according to GB standard         Yes         standards, specifications, approvals / other         Iaser protection class         certificate of suitability         • CC / for hazardous zone according to GB standard         Yes         standards, specifications, approvals / Other         Iaseroficat		Yes	
standard		No	
	standards, specifications, approvals		
• for emitted interference         EN 61000-6-4 (Class B)           reference code         - according to IEC 81346-2         KF           • according to IEC 81346-2:2019         KFE           standards, specifications, approvals / CE         - certificate of suitability / CE marking         Yes           standards, specifications, approvals / hazardous environments         EN 60079-0:2012 + A11:2013, EN60079-15:2010, II 3 G Ex nA IIC T4           Gc, KEMA 07ATEX0145 X, IEC 6079-0:2011, IEC 6079-0:15:2010         UL 1604 and UL 2279-15 (Hazardous Location), Class 1 / Division 2 / Group A, B, C, D / T, Class 1 / Zone 2 / Group IIC / T           certificate of suitability         CCC / for hazardous zone according to GB standard         Yes           standards, specifications, approvals / other         Iaser protection class         LED Class 1           certificate of suitability         EN 61000-6-2, EN 61000-6-4         Yes           standards, specifications, approvals / other         Iaser protection class         LED Class 1           certificate of suitability         EN 61000-6-2, EN 61000-6-4         Yes           • ET approval         Yes         Yes         Standards, specifications, approvals / marine classification           • ET approval         Yes         Yes         Standards, specification association         Yes           • ET approval         Yes         Yes         Yes         S	standard		
• for emitted interference         EN 61000-6-4 (Class B)           reference code         - according to IEC 81346-2         KF           • according to IEC 81346-2:2019         KFE           standards, specifications, approvals / CE         - certificate of suitability / CE marking         Yes           standards, specifications, approvals / hazardous environments         EN 60079-0:2012 + A11:2013, EN60079-15:2010, II 3 G Ex nA IIC T4           Gc, KEMA 07ATEX0145 X, IEC 6079-0:2011, IEC 6079-0:15:2010         UL 1604 and UL 2279-15 (Hazardous Location), Class 1 / Division 2 / Group A, B, C, D / T, Class 1 / Zone 2 / Group IIC / T           certificate of suitability         CCC / for hazardous zone according to GB standard         Yes           standards, specifications, approvals / other         Iaser protection class         LED Class 1           certificate of suitability         EN 61000-6-2, EN 61000-6-4         Yes           standards, specifications, approvals / other         Iaser protection class         LED Class 1           certificate of suitability         EN 61000-6-2, EN 61000-6-4         Yes           • ET approval         Yes         Yes         Standards, specifications, approvals / marine classification           • ET approval         Yes         Yes         Standards, specification association         Yes           • ET approval         Yes         Yes         Yes         S	<ul> <li>for safety / from CSA and UL</li> </ul>	UL 60950-1, CSA C22.2 No. 60950-1	
reference code <ul> <li>according to IEC 81346-2.2019</li> <li>KFE</li> <li>according to IEC 81346-2.2019</li> <li>KFE</li> </ul> standards, specifications, approvals / CE           certificate of suitability / CE marking         Yes           standards, specifications, approvals / hazardous environments         EN 60079-0:2012 + A11:2013, EN80079-15:2010, II 3 G Ex nA IIC T4           dc, KEMA 07ATEX0145 X, IEC 6079-0:2011, IEC 6079-0:15:2010         II 3 G Ex nA IIC T4           dc, KEMA 07ATEX0145 X, IEC 6079-0:2012, II, IEC 6079-0:15:2010         II 3 G Ex nA IIC T4           dc, KEMA 07ATEX0145 X, IEC 6079-0:2011, IEC 6079-0:15:2010         UL 1604 and UL 2279-15 (Hazardous Location), Class 1 / Division 2 / Group A, B, C, D / T, Class 1 / Zone 2 / Group IIC / T           certificate of suitability         CCC / for hazardous zone according to GB standard         Yes           standards, specifications, approvals / other         IED Class 1         EN 61000-6-4           laser protection class         LED Class 1         EN 61000-6-4           c-Tick         Yes         Yes           • KC approval         Yes         Yes           • EC Declaration of Conformity EN 61010, IEC         No           • E1 approval         No         Yes           • French marine classification association         No           • French ma			
• according to IEC 81346-2       KF         • according to IEC 81346-2:2019       KFE         standards, specifications, approvals / CE       retrificate of suitability / CE marking       Yes         standards, specifications, approvals / hazardous environments       EN 60079-0:2012 + A11:2013, EN60079-15:2010, II 3 G Ex nA IIC T4         Ge, KEMA 07ATEX0145 X, IEC 6079-0:2011, IEC 6079-0:15:2010       II 3 G Ex nA IIC T4         Ge, KEMA 07ATEX0145 X, IEC 6079-0:2011, IEC 6079-0:15:2010       UL 1604 and UL 2279-15 (Hazardous Location), Class 1 / Division 2 / Group A, B, C, D / T., Class 1 / Zone 2 / Group IIC / T         certificate of suitability       CCC / for hazardous zone according to GB standard       Yes         standards, specifications, approvals / other       Iaser protection class       LED Class 1         certificate of suitability       EN 61000-6-2, EN 61000-6-4       C-Tick       Yes         • C-Tick       Yes       Yes       Standards, specifications, approvals / other         e Capproval       Yes       Yes       Standards, specifications, approvals / marine classification         standards, specification association       Yes       Yes       Standards, specification association       Yes         standards, specification association       Yes       Standards, specification association       Yes       Standards, specification association         of merican Bureau of Shipping Europe			
• according to IEC 81346-2:2019       KFE         standards, specifications, approvals / CE       res         certificate of suitability / CE marking       Yes         standards, specifications, approvals / hazardous environments       EN 60079-0:2012 + A11:2013, EN60079-15:2010, II 3 G Ex nA IIC T4         standard / for hazardous zone       EN 60079-0:2012 + A11:2013, EN60079-0:5:2010, II 3 G Ex nA IIC T4         c, KEMA 07ATEX0145 X, IEC 6079-0:2011, IEC 6079-0:15:2010       • from CSA and UL         ult to fold and UL 2279-15 (Hazardous Location), Class 1 / Division 2 / Group A, B, C, D / T, Class 1 / Zone 2 / Group IIC / T         certificate of suitability       • CCC / for hazardous zone according to GB standard         standards, specifications, approvals / other       LED Class 1         laser protection class       LED Class 1         certificate of suitability       EN 61000-6-2, EN 61000-6-4         • C-Tick       Yes         • KC approval       Yes         • Et approval       No         • EC Declaration of Conformity EN 61010, IEC       French marine classification association         • American Bureau of Shipping Europe Ltd. (ABS)       Yes         • French marine classification society (BV)       Yes         • DNV GL       Yes         • DNV GL       Yes         • Polski Rejestr Statkow (PRS)       Yes		KE	
standards, specifications, approvals / CE         certificate of suitability / CE marking       Yes         standards, specifications, approvals / hazardous environments         standard / for hazardous zone       EN 60079-0:2012 + A11:2013, EN60079-15:2010, II 3 G Ex nA IIC T4 Gc, KEMA 07ATEX0145 X, IEC 6079-0-15:2010         e from CSA and UL       UL 1604 and UL 2279-15 (Hazardous Location), Class 1 / Division 2 / Group A, B, C, D / T, Class 1 / Zone 2 / Group IIC / T         certificate of suitability       • CCC / for hazardous zone according to GB standard         Yes       standards, specifications, approvals / other         laser protection class       LED Class 1         certificate of suitability       EN 61000-6-2, EN 61000-6-4         • C.Tick       Yes         • E1 approval       Yes         • E1 approval       No         • E2 Declaration of Conformity EN 61010, IEC       Yes         standards, specifications, approvals / marine classification       Marine classification association         Marine classification association       Yes         • E1 approval       Yes         • E1 approval       Yes         • E1 approval       Yes         • DNV GL       Yes         • French marine classification society (BV)       Yes         • French marine classification society (BV)       Yes     <	0		
certificate of suitability / CE marking     Yes       standards, specifications, approvals / hazardous environments     EN 60079-0:2012 + A11:2013, EN60079-15:2010, II 3 G Ex nA IIC T4 Gc, KEMA 07ATEX0145 X, IEC 6079-0:2011, IEC 6079-0-15:2010       • from CSA and UL     UL 1604 and UL 2279-15 (Hazardous Location), Class 1 / Division 2 / Group A, B, C, D / T, Class 1 / Zone 2 / Group IIC / T       certificate of suitability     • CCC / for hazardous zone according to GB standard       standards, specifications, approvals / other     Iaser protection class       certificate of suitability     EN 61000-6-2, EN 61000-6-4       • C.Tick     Yes       • E1 approval     Yes       • E1 approval     Yes       • E1 approval     No       • E1 approval     Yes       • French marine classification     Yes       • French marine classification society (BV)     Yes       • French marine classification society (BV)     Yes       • Polski Rejestr Statkow (PRS)     Yes       • Polski Rejestr Statkow (PRS)     Yes       • Royal Institution of Naval Architects (RINA)     Yes			
standards, specifications, approvals / hazardous environments         standard / for hazardous zone       EN 60079-0:2012 + A11:2013, EN60079-15:2010, II 3 G Ex nA IIC T4         Gc, KEMA 07ATEX0145 X, IEC 6079-0:2011, IEC 6079-0:15:2010       UL 1604 and UL 2279-15 (Hazardous Location), Class 1 / Division 2 / Group A, B, C, D / T, Class 1 / Zone 2 / Group IIC / T         certificate of suitability       • CCC / for hazardous zone according to GB standard       Yes         standards, specifications, approvals / other       Iaser protection class       LED Class 1         certificate of suitability       EN 61000-6-2, EN 61000-6-4       Yes         • KC approval       Yes       Yes         • E1 approval       No       Yes         • E1 approval       No       Yes         standards, specifications, approvals / marine classification       Marine classification association         • American Bureau of Shipping Europe Ltd. (ABS)       Yes         • French marine classification society (BV)       Yes         • DNV GL       Yes         • DNV GL       Yes         • DNV GL       Yes         • Royal Institution of Naval Architects (RINA)       Yes         • Royal Institution of Naval Architects (RINA)       Yes		Voc	
standard / for hazardous zone       EN 60079-0:2012 + A11:2013, EN60079-15:2010, II 3 G Ex nA IIC T4         Gc, KEMA 07ATEX0145 X, IEC 6079-0:2011, IEC 6079-0-15:2010       UL 1604 and UL 2279-15 (Hazardous Location), Class 1 / Division 2 / Group A, B, C, D / T, Class 1 / Zone 2 / Group IIC / T         certificate of suitability       • CCC / for hazardous zone according to GB standard       Yes         standards, specifications, approvals / other       IED Class 1       EN 61000-6-4         laser protection class       LED Class 1       EN 61000-6-4         • C-Tick       Yes       Yes         • KC approval       Yes         • E1 approval       No         • E2 Declaration of Conformity EN 61010, IEC       Yes         standards, specifications, approvals / marine classification       Yes         standards, specification association       No         • E2 Declaration of Conformity EN 61010, IEC       Yes         • End marine classification association       Yes         • American Bureau of Shipping Europe Ltd. (ABS)       Yes         • DNV GL       Yes         • DNV GL       Yes         • Dalyds Register of Shipping (LRS)       Yes         • Polski Rejestr Statkow (PRS)       Yes         • Royal Institution of Naval Architects (RINA)       Yes         • Royal Institution of Naval Architects	, , ,		
Gc, KEMA 07ATEX0145 X, IEC 6079-0:2011, IEC 6079-0:15:2010         UL 1604 and UL 2279-15 (Hazardous Location), Class 1 / Division 2 / Group A, B, C, D / T, Class 1 / Zone 2 / Group IIC / T         certificate of suitability       Free         • CCC / for hazardous zone according to GB standard       Yes         standards, specifications, approvals / other       LED Class 1         laser protection class       LED Class 1         certificate of suitability       EN 61000-6-2, EN 61000-6-4         • C-Tick       Yes         • KC approval       Yes         • E1 approval       No         • EC Declaration of Conformity EN 61010, IEC       Yes         61010-1, UL 61010A-1       Yes         standards, specification association       American Bureau of Shipping Europe Ltd. (ABS)         • French marine classification association       Yes         • Loyds Register of Shipping (LRS)       Yes         • Royal Institution of Naval Architects (RINA)       Yes         • Royal Institution of Naval Architects (RINA)       Yes			
Group A, B, C, D / T, Class 1 / Zone 2 / Group IIC / T         certificate of suitability       Yes         standards, specifications, approvals / other         laser protection class       LED Class 1         certificate of suitability       EN 61000-6-2, EN 61000-6-4         · C-Tick       Yes         • KC approval       Yes         • E1 approval       No         • EC Declaration of Conformity EN 61010, IEC       Yes         61010-1, UL 61010A-1       Yes         standards, specifications, approvals / marine classification       Yes         Marine classification association       Yes         • French marine classification society (BV)       Yes         • DNV GL       Yes         • Lloyds Register of Shipping (LRS)       Yes         • Polski Rejestr Statkow (PRS)       Yes         • Royal Institution of Naval Architects (RINA)       Yes         Internet-Link       Internet-Links		Gc, KEMA 07ATEX0145 X, IEC 6079-0:2011, IEC 6079-0-15:2010	
CCC / for hazardous zone according to GB standard Yes          Standards, specifications, approvals / other          Iaser protection class         LED Class 1         Eer of suitability         EN 61000-6-2, EN 61000-6-4         · C-Tick         Yes         · KC approval         · C-Tick         Yes         · KC approval         · E1 approval         · E1 approval         · EC Declaration of Conformity EN 61010, IEC         61010-1, UL 61010A-1          Standards, specifications, approvals / marine classification          Marine classification association         · American Bureau of Shipping Europe Ltd. (ABS)         Yes         · Erench marine classification society (BV)         · DNV GL         · DNV GL         · Lloyds Register of Shipping (LRS)         Yes         · Royal Institution of Naval Architects (RINA)         Yes         Royal Institution of Naval Architects (RINA)         Yes         Royal Institution of Naval Architects (RINA)         Yes         Rotards-Link	actificate of quitability	Group A, B, C, D / T., Class 1 / Zone 2 / Group IIC / T	
standards, specifications, approvals / other         laser protection class       LED Class 1         certificate of suitability       EN 61000-6-2, EN 61000-6-4         • C-Tick       Yes         • KC approval       Yes         • E1 approval       No         • EC Declaration of Conformity EN 61010, IEC       Yes         61010-1, UL 61010A-1       Yes         standards, specifications, approvals / marine classification         Marine classification association       Yes         • French marine classification society (BV)       Yes         • DNV GL       Yes         • Lloyds Register of Shipping (LRS)       Yes         • Polski Rejestr Statkow (PRS)       Yes         • Royal Institution of Naval Architects (RINA)       Yes         further information / internet-Links       Internet-Link	-	Vac	
laser protection class       LED Class 1         certificate of suitability       EN 61000-6-2, EN 61000-6-4         • C-Tick       Yes         • KC approval       Yes         • E1 approval       No         • EC Declaration of Conformity EN 61010, IEC       Yes         61010-1, UL 61010A-1       Yes         standards, specifications, approvals / marine classification         Marine classification association       Yes         • French marine classification society (BV)       Yes         • DNV GL       Yes         • Lloyds Register of Shipping (LRS)       Yes         • Polski Rejestr Statkow (PRS)       Yes         • Royal Institution of Naval Architects (RINA)       Yes         further information / internet-Links	0		
certificate of suitability       EN 61000-6-2, EN 61000-6-4         • C-Tick       Yes         • KC approval       Yes         • E1 approval       No         • EC Declaration of Conformity EN 61010, IEC       Yes         61010-1, UL 61010A-1       Yes         standards, specifications, approvals / marine classification         Marine classification association       Yes         • American Bureau of Shipping Europe Ltd. (ABS)       Yes         • French marine classification society (BV)       Yes         • DNV GL       Yes         • Lloyds Register of Shipping (LRS)       Yes         • Polski Rejestr Statkow (PRS)       Yes         • Royal Institution of Naval Architects (RINA)       Yes         further information / internet-Links			
• C-TickYes• KC approvalYes• E1 approvalNo• EC Declaration of Conformity EN 61010, IEC 61010-1, UL 61010A-1Yesstandards, specifications, approvals / marine classificationYesMarine classification associationYes• American Bureau of Shipping Europe Ltd. (ABS)Yes• French marine classification society (BV)Yes• DNV GLYes• Lloyds Register of Shipping (LRS)Yes• Polski Rejestr Statkow (PRS)Yes• Royal Institution of Naval Architects (RINA)Yesfurther information / internet-LinksInternet-Link	· · · ·		
• KC approvalYes• E1 approvalNo• EC Declaration of Conformity EN 61010, IEC 61010-1, UL 61010A-1Yesstandards, specifications, approvals / marine classificationMarine classification association• American Bureau of Shipping Europe Ltd. (ABS)Yes• French marine classification society (BV)Yes• DNV GLYes• Lloyds Register of Shipping (LRS)Yes• Polski Rejestr Statkow (PRS)Yes• Royal Institution of Naval Architects (RINA)Yesfurther information / internet-LinksInternet-Link			
• E1 approval       No         • EC Declaration of Conformity EN 61010, IEC       Yes         61010-1, UL 61010A-1       Yes         standards, specifications, approvals / marine classification         Marine classification association          • American Bureau of Shipping Europe Ltd. (ABS)       Yes         • French marine classification society (BV)       Yes         • DNV GL       Yes         • Lloyds Register of Shipping (LRS)       Yes         • Polski Rejestr Statkow (PRS)       Yes         • Royal Institution of Naval Architects (RINA)       Yes         further information / internet-Links       Internet-Link	C-Tick	Yes	
• EC Declaration of Conformity EN 61010, IEC 61010-1, UL 61010A-1Yesstandards, specifications, approvals / marine classificationYesMarine classification association • American Bureau of Shipping Europe Ltd. (ABS) • French marine classification society (BV)Yes• Erench marine classification society (BV)Yes• DNV GL • DNV GL • Polski Rejestr of Shipping (LRS) • Royal Institution of Naval Architects (RINA)Yesfurther information / internet-LinksYes	<ul> <li>KC approval</li> </ul>	Yes	
61010-1, UL 61010A-1         standards, specifications, approvals / marine classification         Marine classification association         • American Bureau of Shipping Europe Ltd. (ABS)       Yes         • French marine classification society (BV)       Yes         • DNV GL       Yes         • Lloyds Register of Shipping (LRS)       Yes         • Polski Rejestr Statkow (PRS)       Yes         • Royal Institution of Naval Architects (RINA)       Yes         further information / internet-Links       Internet-Link	<ul> <li>E1 approval</li> </ul>	No	
Marine classification association          • American Bureau of Shipping Europe Ltd. (ABS)       Yes         • French marine classification society (BV)       Yes         • DNV GL       Yes         • Lloyds Register of Shipping (LRS)       Yes         • Polski Rejestr Statkow (PRS)       Yes         • Royal Institution of Naval Architects (RINA)       Yes         further information / internet-Links       Internet-Link		Yes	
<ul> <li>American Bureau of Shipping Europe Ltd. (ABS)</li> <li>French marine classification society (BV)</li> <li>French marine classification society (BV)</li> <li>DNV GL</li> <li>Yes</li> <li>Lloyds Register of Shipping (LRS)</li> <li>Yes</li> <li>Polski Rejestr Statkow (PRS)</li> <li>Royal Institution of Naval Architects (RINA)</li> <li>Yes</li> </ul> further information / internet-Links	standards, specifications, approvals / marine classificatio	n	
<ul> <li>French marine classification society (BV)</li> <li>DNV GL</li> <li>Ves</li> <li>Lloyds Register of Shipping (LRS)</li> <li>Polski Rejestr Statkow (PRS)</li> <li>Royal Institution of Naval Architects (RINA)</li> <li>Yes</li> <li>further information / internet-Links</li> </ul>	Marine classification association		
<ul> <li>French marine classification society (BV)</li> <li>DNV GL</li> <li>Ves</li> <li>Lloyds Register of Shipping (LRS)</li> <li>Polski Rejestr Statkow (PRS)</li> <li>Royal Institution of Naval Architects (RINA)</li> <li>Yes</li> <li>further information / internet-Links</li> </ul>	<ul> <li>American Bureau of Shipping Europe Ltd. (ABS)</li> </ul>	Yes	
DNV GL Yes     Lloyds Register of Shipping (LRS) Yes     Polski Rejestr Statkow (PRS) Yes     Royal Institution of Naval Architects (RINA) Yes      further information / internet-Links     Internet-Link		Yes	
Polski Rejestr Statkow (PRS) Yes     Royal Institution of Naval Architects (RINA) Yes  further information / internet-Links Internet-Link		Yes	
Polski Rejestr Statkow (PRS) Yes     Royal Institution of Naval Architects (RINA) Yes  further information / internet-Links Internet-Link	<ul> <li>Lloyds Register of Shipping (LRS)</li> </ul>	Yes	
Royal Institution of Naval Architects (RINA) Yes  further information / internet-Links Internet-Link		Yes	
further information / internet-Links Internet-Link			
	further information / internet-Links		
to web page: selection aid TIA Selection Tool     http://www.siemens.com/tia-selection-tool			
	<ul> <li>to web page: selection aid TIA Selection Tool</li> </ul>	http://www.siemens.com/tia-selection-tool	

<ul> <li>to website: Industrial communication</li> </ul>	http://www.siemens.com/simatic-net
<ul> <li>to website: Industry Mall</li> </ul>	https://mall.industry.siemens.com
<ul> <li>to website: Information and Download Center</li> </ul>	http://www.siemens.com/industry/infocenter
<ul> <li>to website: Image database</li> </ul>	http://automation.siemens.com/bilddb
<ul> <li>to website: CAx-Download-Manager</li> </ul>	http://www.siemens.com/cax
<ul> <li>to website: Industry Online Support</li> </ul>	https://support.industry.siemens.com
security information	
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