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Size: 4036 KB

Type: PDF, ePub, eBook

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Book Descriptions:

consilium cs4000 manual

Consilium assumes no legal responsibility for any error or damage resulting from the usage of this document. Edition 3, 08 1 E, May 2008. In chapter 2 Operation it is described how to operate the CS4000 fire alarm system. It also gives a brief instruction how to connect and test the CS4000 fire alarm system in chapter 3 Installation. For more detailed information, see the separate CS4000 Installation manual. In appendix A you will find detailed information about the fault codes that can appear and where the fuses are located. USER MANUAL Vizio. Discover everything Scribd has to offer, including books and audiobooks from major publishers. Start Free Trial Cancel anytime. Report this Document Download Now Save Save CONSILIUM 91240001000 CS4000 user manual E1 04 2. For Later 80% 5 80% found this document useful 5 votes 2K views 40 pages CONSILIUM 91240001000 CS4000 user manual E1 04 2 E Uploaded by cengiz kutukcu Description CONSILIUM CS4000 Full description Save Save CONSILIUM 91240001000 CS4000 user manual E1 04 2. For Later 80% 80% found this document useful, Mark this document as useful 20% 20% found this document not useful, Mark this document as not useful Embed Share Print Download Now Jump to Page You are on page 1 of 40 Search inside document Browse Books Site Directory Site Language English Change Language English Change Language. Report this Document Download Now Save Save CS4000 Service and Maintenance manual.pdf For Later 0 ratings 0% found this document useful 0 votes 2K views 72 pages CS4000 Service and Maintenance manual.pdf Uploaded by Athul Tuttu Description Full description Save Save CS4000 Service and Maintenance manual.pdf For Later 0% 0% found this document useful. Mark this document as useful 0% 0% found this document not useful, Mark this document as not useful Embed Share Print Download Now Jump to Page You are on page 1 of 72 Search inside document Browse Books Site Directory Site Language English Change Language English Change

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With more than 18000 systems installed our systems can be found on all kinds of vessels, submarines as well as large cruise ships. The Salwico range consists of both conventional systems and analogue addressable systems and they are all type approved by the major classification societies worldwide. It offers extremely reliable fire detection with a high degree of protection against unwanted alarms. Every loop unit in the Salwico CS4000 has a builtin intelligence and can initiate a fire alarm all by itself. The system meets with the high demands that are imposed on large passenger ships as well as on other vessels requiring a higher level of safety standards. The system offers all kind of configurations for practically all types of vessels, leaving no limit for size of the systems. Servofighter is a 4loop conventional fire detection system, with robust construction, high reliability and easy operation. In an alarm situation it can easily identify the unit that has given the alarm and is therefore capable of giving correct information about the exact location of the fire at a very early stage The system is very userfriendly with a selfinstructing control panel, which with clear and easily understood instructions on the display, leads the operator through the various functions. The interference free communication methods allow the use of low cost, unshielded

standard cables, thereby minimizing the installation costs. It has a full range of related indication and control functions, such as interfacing of doors, dampers, extinguishing systems and fire patrol monitoring. In order to save space in the bridge console, the operator panel can be flush mounted separately and connected to the cabinet through a 4core cable. The detectors have builtin microcontrollers. http://www.jeannette-immobilien.at/userfiles/98-honda-civic-manual.xml

In an alarm situation it can easily identify the unit that has given the alarm and is therefore capable of giving correct information about the exact location of the fire at a very early stage The system is very userfriendly with a selfinstructing control panel, which with clear and easily understood instructions on the display, leads the operator through the various functions. He has been fair, understanding and accommodating towards my inquiries. I look forward to more future dealings with him Rare to find a shop in India dealing in such a good way. When you turn to us, you tap into an ocean of knowledge in fire and gas safety detection and related technologies. We have a strong local presence in strategic locations, always ready to talk safety with you. Based on the legacy of Consilium with ease of use and peace of mind. For information about Consilium AB publ click below. By continuing, you agree to our use of cookies. Due to our worldwide network and large stock, we are able to deliver the equipment in a short period of time against competitive prices. Learn more opens in a new window or tab This amount is subject to change until you make payment. For additional information, see the Global Shipping Programme terms and conditions opens in a new window or tab This amount is subject to change until you make payment. If you reside in an EU member state besides UK, import VAT on this purchase is not recoverable. For additional information, see the Global Shipping Programme terms and conditions opens in a new window or tab Delivery times may vary, especially during peak periods and will depend on when your payment clears opens in a new window or tab. Learn More opens in a new window or tab Learn More opens in a new window or tab Learn More opens in a new window or tab Learn More opens in a new window or tab Learn More opens in a new window or tab The item may have some signs of cosmetic wear, but is fully operational and functions as intended.

This item may be a floor model or an item that has been returned to the seller after a period of use. See the seller's listing for full details and description of any imperfections. Contact the seller opens in a new window or tab and request a postage method to your location. Please enter a valid postcode. Please enter a number less than or equal to 2. Youre covered by the eBay Money Back Guarantee if you receive an item that is not as described in the listing. Find out more about your rights as a buyer opens in a new window or tab and exceptions opens in a new window or tab. All Rights Reserved. User Agreement, Privacy, Cookies and AdChoice Norton Secured powered by Verisign. You can get help from our expert stuffing pattern while investigating the cost of products you needed. We are not USA distributor of Consilium brand yet we are importing it. If you cant find the model you are looking for, dont hesitate to contact us. Marine Safety. Transport Safety. Based on more than 50 years of experience and continuous research within the field Consilium offers state of the art Fire Safety solutions for land transport applications. Building Safety. Consiliums fire and gas detection systems for the land based market can be found in large industrial buildings, public. The loop test automatically boots the complete loop and searches all addresses on the loop. All the information found about the addresses is saved in a list, which can be printed out or scrolled through on the display. All the information found about the addresses is saved in a list, which can be printed out or scrolled through on the display. 2 The loop unit test searches for the manually requested address and immediately displays all information found about the unit. It is used for the fire alarm systems CS3000, CS4000 and NSAC1. Up to 20 addressable IS units can be connected to an ISOLATORA. Pressing the glass causes it to crack and activates the fire alarm. A test key can be used to test the device.

A red LED on the manual call point indicates the fire alarm. When the push button is pressed the red

LED will lit and it will remain lit until the alarm on the central panel is reset. Please This email address is being protected from spambots. You need JavaScript enabled to view it. You need JavaScript enabled to view it. We are experts in spare parts, equipment and maritime services, providing more business opportunity and simplified trades for ship operators and suppliers. You must have JavaScript enabled in your browser to utilize the functionality of this website. One optical for smoke detection and one heat sensing element for heat detection. The address is set with a DIPswitch mounted in the back of the detector. When the detector is in alarm condition, a red LED on the detector is lit. The LED is lit until the alarm has been reset at the control panel. The detector is polarity independent. An external LED indicator, buzzer etc. The polarity of the loop has to be connected according to the drawing below, if the remote output is used. Use single quotes for phrases. Page 4 Why Consilium. Consilium develops and markets products, services and systems for safety, navigation and automation applications. The guiding principle behind Consilium's products and systems is to help protect people, the environment and material values. With a stable base of proprietary products, complemented by highquality external brands, and a global market organisation, Consilium ranks among the world's leading suppliers to the international shipping, transport and oil and gas industries. Page 5 Why Consilium. AfterSales Support At Consilium we offer an extensive after sales support program which includes everything from service and maintenance of all supplied systems to supply of spare parts and retrofitting of older installations. We offer commissioning and worldwide aftersales support of all our products through our wide network of own offices and representatives.

http://foot-five.com/images/canon-eos-350d-rebel-xt-manual.pdf

We offer our customers spare parts that are backward compatible with the majority of our delivered systems. Page 6 Salwico Fire Detection System Salwico Fire Detection System 6 Page 7 Salwico Fire Detection System Salwico Cargo Fire Detection Centrals Salwico Cargo, with integrated control panel Salwico Cargo is a fully SOLAS compliant fire detection central. It is supplied both as analogue addressable or conventional version. Tested and certified by all the major classification societies, this system provides optimal fire detection for merchant vessels. Salwico Cargo cabinet is in some versions featured with general alarm system. It mounts on any flat surface independently from a fire alarm cabinet and is equipped with communication buses for connecting to the system. USB In front of the panel provides easy access to the system's data and diagnostic logs. The module BusCon M 10 has one connection for either RS232 or RS485 communication. For details on assembling a system and definitions of common system terms, refer to the Installation Manual. It can also provide constant power supply to other system modules such as Control and Repeter Panels etc. Page 11 Salwico Fire Detection System Change Over M EXT H Change Over M Ext monitors mains and emergency power inputs and gives fault indication if either supply is lost. The power input status is indicated by the front panel LEDs. Change Over M Ext provides two separate controllable 230 VAC outputs, OUT 3 and 4, protected by separate front mounted fuses. Tested and certified by all major classification societies, this system provides an optimal fire detection solution for smaller vessels. The system is managed and supervised through Control Panel M 4.3. The Control Panel M 4.3 is mounted separately from the fire alarm cabinet. Page 14 Salwico Fire Detection System Central Unit Accessories Log Printer OKI ML280 The ML280 elite is a fast and robust logprinter.

https://www.abouttimetech.com/images/canon-eos-400d-english-manual.pdf

It can be connected to all Salwico fire and gas alarm systems that has a RS232 printer output. Single sheet paper or continuous paper can be used. The cable connections are on the back of the printer. Page 15 Salwico Fire Detection System Interfaces ST Interface M ST Interface M is used for interfacing "old Servoteknikk" loops into the new Salwico systems. Perfect solution for retrofitting elderly systems with newer central cabinet. This Module can be used in combination with virtually any Salwico addressable central. One such module is required per each addressable loop. It is

designed to give early warning for the presence of heat and smoke in the supervised area. Both heat and smoke alarm can be generated individually. At the same time Salwico EVPH offers a high protection against unwanted alarms. Page 17 Salwico Fire Detection System EVH A1R 54C IP67 SCI 510047200A Salwico EVH is an analogue addressable heat detector molded together with base adapter SPBADAPT SCI to fulfill IP67 ingress protection class. The smoke and heat detector functions are independent and can be used in any required combination. The detector is designed to give early warning for the presence of heat and smoke in the supervised area. The detector offers a high protection against unwanted alarms. Page 19 Salwico Fire Detection System Addressable manual call points MCPA SCI 520003002B MCPA SCI is an addressable manual call point for indoor environment, designed for Salwico fire alarm systems. Pressing the glass causing it to crack activates the fire alarm. A protective plastic coating on the glass prevents operator injury. An LED on the front of the call point indicates the fire alarm. The LED remains lit until the fire alarm has been reset on the fire alarm panel. Page 20 Salwico Fire Detection System IC10 IOunit in IP22 housing. Can be used as interface for conventional alarming devices, control or indication. 520027200A IC10 WP IOunit in IP22 housing.

Can be used as interface for conventional alarming device, control or indication 520027300A TC10 Programmable timer unit used for the control or disablement of other devices. 520027600A FP10 WP Fire patrol unit in IP67 housing. Page 21 Salwico Fire Detection System FP10 Fire patrol unit in IP22 housing. 520028300A IC21 WP The IC21 WP is an addressable unit used for control and indication of fire doors, fire dampers etc. This unit has been designed for use in damp spaces. IC21 WP can control and supervise both single and double doors. The unit includes two inputs, one programmable output and one secondary output controlled by an external switch. The loop address of the IC21 WP is set by a DIPswitch. EC is a range of conventional detectors, which have been produced using the latest in manufacturing technology and supplied with an array of advanced features. The heat sensing element is of thermistor type with a short response time to changes in the ambient temperature. Page 24 Salwico Fire Detection System ACIR3Fq TrippelIR Flame detector 520023600A The ACIR3Fg is a triple frequency conventional infrared flame detector produced using the latest in manufacturing technology. The Detector is using infrared elements suitable for the detection of smokeless combustible liquid and gas fires, as well as smokeforming open fire involving carbonaceous materials as contained in wood, plastics, gases, oil products etc. ISOLATORA is an IS isolator intended for use together with Salwico intrinsically safe addressable detectors and manual call points. It contains an ISisolator and a LISA2 connection board. ISOLATORA is located in a nonhazardous area safe area and forming the interface to IS detectors and other IS line units. Page 26 Salwico Fire Detection System ACPIS Intrinsically Safe Addressable Manual Call Point for wet space IP67 ACPIS is an intrinsically safe addressable manual call point for the fire alarm systems CS3000, CS4000 and NSAC1.

ACPIS is connected to the detector loop via ISOLATORA. Up to 20 addressable IS units can be connected to an ISOLATORA. Pressing the glass causing it to crack activates the fire alarm. The call point can also be tested with a special key, included in the delivery. Page 27 Salwico Fire Detection System NSSCIExn, IP55 The SCIExn is an analogue addressable short circuit isolator for the NSAC1, CS3000 and CS4000 fire alarm system. The fire detection loops are divided into fire detection zones by short circuit isolators. If a short circuit occurs on a loop cable, the zone with the short circuit is disconnected from the rest of the loop by the SCI units mounted in the beginning and in the end of the zone. When a short circuit is detected, a yellow LED on the PCB is lit. Page 28 Salwico Fire Detection System NSADAPTIS2, Adaptor for IP55 base with N11250 The ADAPTER AOHSIS is an adapter for IP55 detector bases. Only detector AOHSIS can be connected to this adapter. The adapter can be used for Salwico addressable fire alarm systems CS3000, CS4000 and NSAC1. The ADAPTER AOHSIS has an ISlabel on the side. NB! The classification society might have additional installation requirements than what is mentioned in this data sheet. Page 29 Salwico Fire Detection

System ACIR3Fq Addressable Base for ACIR3Fq detector ACIR3Fq Addressable Base is suitable for installation of ACIR3Fq Detector in a harsh environment. The base plate provides ingress protection up to IP67, when lock screws are used. The base provides a termination possibility, for detector set in Addressable mode. The address is set by an 8way DIPswitch. Page 30 Salwico Fire Detection System Cordless Heat detector tester kit recommend The Salwico SOLO 461 is a cordless heat detector tester for the Salwico heat detectors. This minimise the possibility of heat damage the plastic of the detector. The detectors can be either conventional or analogue addressable.

Testifire is also a functional tester that enables testing of multidetectors or multicriteria detectors from a single test unit. The NSGA2 can be wall or recessed mounted. A plastic lid protects it from unintentional activation. The button will stay active until it is pressed again. Page 33 Salwico Fire Detection System Bell El. 6" 24VDC IP33 RED MED A unique, patented alarm bell designed for use in fire, security and other signalling systems. The combination of a miniature solenoid with an integrated control circuit allows excellent sound coverage, minimum current consumption and increased reliability. The improved aesthetics make the bell suitable for all applications including the most prestigious locations. 510046200A Bell El. DB3 has been designed with high ingress protection to withstand harsh environmental conditions. The flame paths, flare and body are manufactured completely from UV stable glass reinforced polyester. Stainless steel screws and sinter are incorporated thus ensuring a corrosion free product. Page 35 Salwico Fire Detection System Lights 830, flash light, red, 230VAC, IP65 Salwico 830 is a flash light suitable for installation in harsh environments. Salwico 830 is easy to install and has a long life time. Wall brackets and other colours on the lens and are available upon request. 006502 SUE9412A1, flash light, red, 230VAC, Eexd IIBT4 The SUE9412A1 is a series of EX classified flash lights designed for use in very harsh environments, for example pump rooms on vessels. Page 37 Salwico Fire Detection System NSDRP, Door Release, wall mounted WT, IP55 This door release switch is made for harsh environments that require ingress protection up to IP55. The switch is not spring loaded. Therefore it will stay in closed position until it is manually set to open position. N1781 NSDRW, Fire Door Release Button, wall mounting This door release switch is made for wall mounting in dry areas where recessed mounting is not possible.

Page 38 Salwico Fire Detection System Calectro UG30 for DOS3, vent. Special care is given to ergonomics and userfriendliness with its logical and intuitive operator panel. Page 41 Salwico Gas Detection System Control M X Control M X is used as a provider of additional communication channels, additional external communication, or as an extension bus. Note! This output is not supervised. These functions can be used together or individually. The module is designed to be used where there are no requirements for electrical isolation between devices. Control M Gas External can be mounted on any flat surface or flush mounted, independently from a gas alarm cabinet. Control M Gas External is equipped with communication buses for connecting to the system via BBE interface RS485 or BBE interface PB485. Page 44 Salwico Gas Detection System Gas Detecors SALWICO GD The Salwico GD range of gas detectors is used to monitor areas where flammable, oxygen deficiency and toxic gases may pose a hazard environment. The Salwico GD uses a number of sensor technologies including catalytic bead, electrochemical cell and Nondispersed NDIR. Page 45 Salwico Gas Detection System Gas Detectors suitable for harch environments SALWICO GD in 316 stainless steel inclosure 520109500A The Salwico GD range of gas detectors is used to monitor areas where flammable, oxygen deficiency and toxic gases may pose a hazard environment. Page 46 Salwico Gas Detection System SALWICO GD SS HART The Salwico GD SS HART range of gas detectors is used to monitor areas where flammable, oxygen deficiency and toxic gases may pose a hazard environment. The Salwico GD SS HART uses a number of sensor technologies including catalytic bead and electrochemical cell. The stainless steel enclosure makes it suitable for harsh environments. Page 47 Salwico Gas Detection System Open path gas detectors 520105400A SALWICO GD OPEN PATH HC, gas detector complete unit, range 420 m.

The Salwico GD Open Path gas detector is a point detector for gas concentration monitoring in potentially hazardous environments. The Salwico GD Open Path is based on infrared absorption. Solid state design improves reliability, longterm stability and accuracy in continuous measurement of gas concentrations in ambient air. The siren is delivered with cable glands for cable diameters raging from 8 to 13mm. The base has two knockout holes for the cable glands. A sounder selector for user selectable tones and a volume control is fitted inside the sounder. SUE9412A1 is available in the following models Art. Page 51 Salwico Gas Detection System Portable Gas Detectors Portable Gas Detectors The Drager Xam 2500 is one of a new generation of gas detectors which have been specially designed for personal monitoring use. The 1 to 4gas detector reliably measures combustible gases and vapours, as well as O2, CO and H2S. Its ergonomic design, mobile phone dimensions and low weight make it the perfect companion in your daily work. Page 52 Salwico Gas Detection System XAM5000HC VOL% Xam 7000 is the innovative solution for the simultaneous and continuous detection of up to five gases. A combination of more than 25 sensors allows flexible solutions to individual monitoring tasks. The Drager Xam 7000 can be equipped with three electrochemical, and two catalytic bead, infrared or photoionization sensors. Page 53 Salwico Gas Detection System Calibration Gas Bottles Sawico GDS Gas Bottles Sawico GDS standard disposable calibration gas bottles. Should together with 520101300A when calibrating any of the Salwico Gas Detectors. 520100010A The Salwico GDS gas bottles are available in the following variants. Page 54 Salwico Gas Detection System Salwico Gas Sampling System SW2020 SW2020 Salwico SW2020 is the safe choice. Consilium Marine has over the years gained great experience of gas detection in marine environments with thousands of systems installed in merchant and military vessels.

The SW2020type is a wellproven scanning sampling gas alarm system intended for detection of gas in ballast tanks and void spaces. It has become the natural choice for discerning ship owners, for retrofits as well as new buildings. The Salwico NOx analyser is specially designed for operation in continuous emissions monitoring application with clean gas system and process control of DeNOx system. Page 57 Salwico Monitoring System Guardian CO2 Analyser The Salwico CO2 analyser provide continuous monitoring and control of gas concentration levels. It feature comprehensive output, alarm and fault indications via the onboard microcontroller. Based on dual wavelength nondispersive infrared NDIR technology, high performance operation with low maintenance requirements. The module can also drive passive sensors with no additional power supplies. The operation mode of the module can be Voltage, Current or Current Active mode. Voltage mode In this operation mode the unit measure the voltage passively. Page 59 Salwico Monitoring System DP79100 dilution probe one for each measuring point The Salwico DP7900 is a dilution probe to be used together with Salwico NOx and SO2 compact gas analyser system. Page 60 Salwico Monitoring System BM100 Pressure sensor ambient The BM 100 sensor is used for recording the ambient air pressure. Page 62 Salwico Monitoring System Filterset for dilution probe Filter set for cartridge, a complete setup of filters, Orings and brackets to replace filters in DP7900. 55064700A SALWICO G1000 Smoke Density Monitoring System Salwico G1000 Smoke Density Monitor 230VAC The G1000 is a particular robust system well suited to resist heat and vibrations in and around smoke stacks. Page 65 Salwico Monitoring System Salwico G2000 Ambient Oil Mist Detector 110VAC 673200400A The G2000 Ambient Oil Mist Detector is developed for monitoring pump rooms, engine and motor rooms and attached onto boilers or diesel engines.

The perils of oil mist and the potential impacts thereof, is clearly stated by IMO and OCIMF's "Ship Inspection Report SIRE Programme". Thus, early alarms on the formation of oil mist are utterly important. Fire Fighting System Instruction Manual.Data sheet no 5100096 Repeater M 4.3.11 2.ME www.consilium.se 17 24 DATA SHEET Connections Connect the Repeater M 4.3 to BBE or to Extension Bus. Note! See figure below for connection alternatives; i.e. Connection board or Front panel rear. Data sheet no 5100096 Repeater M 4.3.11 2.ME www.consilium.se 18 34 DATA SHEET RS485 Termination Addressing For RS485 Termination the builtin terminator 120 ohm can be

activated with the RS485 DIP switch located on the rear of the front panel. Approximate 45 seconds. Use the arrow keys to scroll and select the digits for the Access Code. For all menu alternatives use the arrow keys to scroll and select. Confirm with the Local Mute button. Follow the instructions on the lower part of the screen. Table 1. DIP switch for RS485 Termination DIP Switch No. Description ON OFF 1 2 BBE1 BBE2 Deactivated Deactivated Active Active The specifications described herein are subject to change without notice. Data sheet no 5100096 Repeater M 4.3.11 2.ME www.consilium.se 19 44 DATA SHEET Module Dimensions mm Mounting Dimensions mm The specifications described herein are subject to change without notice. Salwico EVPH is designed to give early warning for the presence of heat and smoke in the supervised area. The detector can be placed in harsh environments if it is mounted on a splash proof base. See separate document "Base matrix Salwico units" for information about suitable base plate. The technical detector address is set with a special programming tool. Valid addresses are 1254. Salwico EVPH has a fine pitch net which improves the response to smoke and also reduces the amount of dust etc entering the detector. Salwico EVPH is equipped with an output for remote indication.

Function The specifications described herein are subject to change without notice. Data sheet no 040030 EVPH.10 1.ME www.consilium.se 21 22 DATA SHEET Dimensions mm Connection The specifications described herein are subject to change without notice. For more information about suitable bases, see separate document "Base matrix". The specifications described herein are subject to change without notice. Data sheet no. 046916 SPBADAPT.12 1.ME www.consilium.se 24 12 DATA SHEET Conventional Dual Infrared Flame Detector Salwico EVCIR Part no. 520003900A System All Salwico Fire Alarm Systems General description Salwico EVCIR is an Evolution conventional flame detector with dual infrared wavelength sensors. Traditional UV and IR flame detectors, in their singular form, are susceptible to unwanted alarms. These false alarm sources differ for each type of flame detector, however with dual infrared detector both elements must receive an alarm signal prior to initiating a fire alarm signal to the fire control panel. NOTE! Detector EVCIR sometimes requires special base, with builtin serial resistor, see separate document "Base Matrix". January 2012 Document no. 510033201B02 Part no. Mute a Fire Alarm. Reset a Fire Alarm. Several Alarms. Type of Fire Alarms from Conventional Zones. Information Displayed when "Fault" is Flashing. Mute a Fault. Reset a Fault. Reset a Fault from the Fault List. Reset All Faults. 26 27 27 27 Fault Messages. 28 Disablements. 28 5.7.1 5.7.2 5.7.3 5.7.4 5.7.5 5.7.6 About Disablements. Available Disablements. Acknowledgement of a New Disablement. Disabling Alarm Devices. 28 28 29 29 29 30 Table of contents 5.7.7 5.7.8 5.7.9 5.7.10 5.8 6 7 8 30 30 31 31 Reconnecting, 31 5.8.1 5.8.2 5.8.3 5.9 Old Disablements, Alarm Delay, Disabling External Outputs. Disabling an Alarm Transfer Output. Reconnecting Disabled Items. Reconnecting Periodic Disablements. Remove All Disablements. 31 31 31 Service Menu. 32 Testing. 33 6.1 About Testing. 33 6.