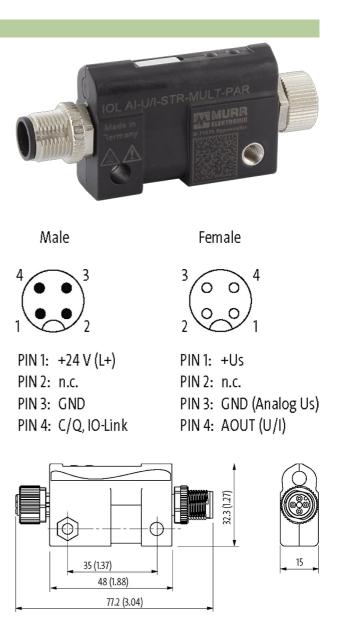


## IO-Link / analog converter

AOU0 ... 10V, M12, straight

IOL AO-U-STR-10V-UNI IO-Link V1.1 Connection cables are in the online shop under "Connection Technology".

Illustration



Product may differ from Image



The information in this brochure has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 10/20



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input range (analog)         0.10 V           Valency         1704 µV           Valency         1704 µV           Resolution (analog)         15.84 ± sign           Type         2, 3, 4. wire technicology           Accuracy         0.10 % (25 °C)           Transpeature drift         45 gpm *K           Conversion time (analog)         max 5 ms           Odupt titier         yes, neam value branston, parameterizable N = 064           Over voltage protection         80 V D C           Conversion         102 Link           Malog oxplut         M22 (male) 5 pole, A-coded           Analog oxplut         Lassel labelied           Convertions         User labelied           Coverint consumption         max 10 mA      <	Output	
Valency     179.4 μV       Resolution (analog)     15 Bit + sign       Type     2.3.4 w/w led/holdogy       Accuracy     0.10% (25 °C)       Temperature drift     45 ppm/°K       Convertion Sime (analog)     max.5 ms       Output litter     yes, mean value brimation, parameterizable N = 064       Over voltage protection     30 V DC       Connections     Connections       IOLInk     M12 (make) 5 pole, A-coded, stileded       Connections     IP65/IP67       Material (housing)     Plastic       Labeling     Jassic Tabelied       Temperature range     -30+70 °C (storage temperature -40+85 °C)       Dirensitions H-WAD     32.3-77.2×15 mm       Models supply     Operating voltage       Operating voltage     24 V DC (1830 V DC)       Carriert consumption     max.19 mA       IOLink     ID2.ink (V.1.1       Operating models     COM2 (38.4 kol/s)       Por Otass     A       Operating models     COM2 (38.4 kol/s)       Por Otass     A       Operating models     COM2 (38.4 kol/s)       Por Otass     A       Operating voltage     16 Bit / 2 Byte       Data kinth     16 Bit / 2 Byte       Data kinth     16 Bit / 2 Byte       Data kinth	Actuator supply UA	24 V DC (EN 61131-2), max. 200 mA
Resolution (analog)         15 Bit + sign           Type         2, 3, 4-wire technology           Accuracy         0.10% (SP C)           Temperature drift         45 ppm.*K           Convertion time (analog)         max. 5 ms           Output liftor         yes, mean value formation, parameterizable N = 064           Over voltage protection         30 V D C           Convertion         20 V D C           Convertion         M2 (male) 5 pole, A-coded           Analog output         M2 (male) 5 pole, A-coded           Analog output         M2 (male) 5 pole, A-coded           Analog output         M2 (male) 5 pole, A-coded           Labeling         Laser labelied           Convertion         24 V D (1830 V D C)           Current consumption         wax 19 mA           Module supply         W           Convertions workplo         W2 (SA k kb/s)           Port Class         A           Cycle time         min. 2.3 ms           Dala words         Bin/2 Byle <td>Input range (analog)</td> <td>010 V</td>	Input range (analog)	010 V
Type         2, 3, 4-wite technology           Accuracy         0.10% (25 °C)           Temperature off         45 gen/**K           Conversion time (analog)         max. 5 ms           Outjuu tilior         yes, mean value formation, parameterizable N = 064           Ourvoltage protection         30 V DC           Convections         20 Uput           M12 (male) 5-pole, A-coded, shelded         General data           Convections         19 Link           M12 (temale) 5-pole, A-coded, shelded         General data           Convections         19 ESI/P67           Material (housing)         Plastic           Labeling         Laser (Labeling)           Temperature range         -3070 °C (forage temperature -40485 °C)           Dimensions H-W-D         32.3.77 2.4.15 mm           Module supply         U           Operating voltage         2.4 V DC (1830 V DC)           Current consumption         max. 19 mA           Oblack         Specification           IO-Link V1.1         Operating voltage           Specification         IO-Link V1.1           Operating voltage         2.4 V DC (1830 V DC)           Current consumption         max. 19 mA           Data voltage         mix. 1	Valency	179.4 μV
Accuracy     0.10% (25 °C)       Temperature drift     45 ppm/*K       Conversion firm (analog)     max. 5 ms       Oulput filler     yes, mean value formation, parameterizable N = 064       Over voltage protection     30 V DC       Connections     Olipuk       Olipuk     M12 (male) 5 pole, A cooled       Analog output     M12 (female) 5 pole, A cooled, shielded       General data     Protection       Protection     IP659F07       Meterial (housing)     Plastic       Labeling     Laser fabelled       Temperature range     :30, -70 °C (alorage tomporature :40, -#85 °C)       Dimensions H.Wu-D     22.3.77.2.415 mm       Models supply     Operating voltage       Quere dronsumption     max. 19 mA       IO-Link     V1 S       Specification     IO-Link V1.1       Operating modes     COM2 (38.4 kbits)       Port Class     A       Cycle Inno     min. 2.3 ms       Data wolfn     16 Bit / 2 Byte       Data format     Siener inst. over that of, supply over voltage. supply under voltage, delective device, sensor cable       Data wolfn     16 Bit / 2 Byte       Data format     Siener inst. over that of, supply over voltage. supply under voltage, delective device, sensor cable       Data wolfn     16 Bit / 2 Byte	Resolution (analog)	15 Bit + sign
Temperature drift     45 ppm "K       Conversion time (analog)     max. 5 ms       Odupti fillor     ver, man value formation, parameterizable N = 064       Over voltage protection     30 V DC       Concestions     U       Conversion     M12 (maile) 5-pole, A-coded       Analog output     M12 (female) 5-pole, A-coded, shielded       Conversion     P654P67       Material (housing)     Plastic       Labeling     Laser fabelled       Temperature range     -30, -70 °C (storage temperature -40, -88 °C)       Dimensions H-W-JD     92,3-77,2×15 mm       Module supply     Operaing voltage       Operaing voltage     24 V DC (18, 30 V DC)       Current consumption     max. 19 mA       ToLlak     VLIk V1.1       Operaing voltage     A V DC (18, 30 V DC)       Operaing voltage     CAW (18, 4bit/s)       Port Class     A       Cycle time     min. 2.3 ms       Data wordth     16 Bit /2 By/a       Data voltage     presel       Diagnostics     biover limit, over heated, supply over voltage, defective device, sensor cable break, sensor supply over voltage, defective device, sensor cable break, sensor supply over voltage, defective device, sensor cable break, sensor supply over voltage, supply under voltage, defective device, sensor cable break, sensor supply over voltage, supply under voltage, defective device, sensor cable break,	Туре	2-, 3-, 4-wire technology
Conversion time (analog)         max. 5 ms           Output lifter         yes, mean value formation, parameterizable N = 0_64           Over voltage protection         30 V DC           Connections         IV           IOLInk         M12 (maile) 5 pole, A coded           Analog output         M12 (maile) 5 pole, A coded, shielded           Cencerd data         Exerct data           Protection         IP65/IP67           Material (housing)         Plastic           Labeling         Laser labelided           Tomporature rango         -3070 °C (storage temperature -40+85 °C)           Dimensions H-W+D         32.3.*77 2.*15 mm           Model supply         U           Operating voltage         2.4 V DC (1830 V DC)           Current consumption         max. 1 m A           IOLInk         V1.1           Operating modes         COM2 (34. kbils)           Port Class         A           Cycle lime         min.2.3 ms           Data width         16 BL/2 By/a           Data width         16 BL/2 By/a           Data width         16 BL/2 By/a           Diagnostic         Ibweak, sensor supply over outrege, supply under voltage, delective device, sensor cable           Parameterization         <	Accuracy	0.10% (25 °C)
Output filler         yes, mean value formation, parameterizable N = 064           Over vollage protection         30 V DC           Connections         00           ObLink         M12 (male) 5-pole, A-coded           Analog output         M12 (female) 5-pole, A-coded, shielded           Ceneration         IP65./P67           Material (housing)         Plaste           Labeling         Laser labelied           Temperature range         -90+70 °C (storage temperature -40+85 °C)           Dimensions H-WxD         32.3-77.2×15 mm           Models supply         C           Operating voltage         24 V DC (1830 V DC)           Current consumption         max. 19 mA           KOLink V1.1         Collection           Operating modes         COM2 (38.4 kbl/s)           Port Class         A           Cycle time         min.2.3 ms           Data Wdfh         16 Bt / 2 Byte           Data format         Siemens S7           Parametrization         Ibwer limit, upper limit, over heated, supply over voltage, supply under voltage, defective device, sensor cable           Diagnostics         Ibwer limit, upper limit, over heated, supply over voltage, supply under voltage, defective device, sensor cable           Diagnostics         Ibwer limit, upper limit, ove	Temperature drift	45 ppm/°K
Over vollage protection         30 V DC           Connections         Image: Connections           OL link         M12 (male) 5 pole, A coded           Analog output         M12 (male) 5 pole, A coded, shielded           Ceneral data         Image: Connections           Protection         IP65/IP67           Material /Rousing)         Plasto           Labeling         Laser labeled           Temperature range         -30x70 °C (storage temperature -40+85 °C)           Dimensions H+WxD         32.3x77.2x15 mm           Mddus supply         V           Operating voltage         24 V DC (1830 V DC)           Current consumption         max. 19 mA           IO-Link         V1           Specification         IO-Link V1.1           Operating modes         COM2 (38.4 kbits)           Port Class         A           Cycle time         min. 2.3 ms           Data format         Siemens S7           Persenterization         Iower fimit, upper limit, over heated, supply over voltage, supply under voltage, defective device, sensor cable break, sensor supply over current, overn m           Iower fimit         2 Byle           Upper limit         2 Byle           Value filter         1 Byle           Presene	Conversion time (analog)	max. 5 ms
Connections           IO-Link         M12 (maile) 5-pole, A-coded, shielded           Analog output         M12 (female) 5-pole, A-coded, shielded           General dats         Projection           Projection         P65/IP67           Material (housing)         Plaatic           Labeling         Laser rabelied           Tomperature range         30277.2×15 mm           Model suppi         U           Operating voltage         24 V DC (1830 V DC)           Current consumption         max.19 mA           Operating nooles         COM2 (38.4 kbite)           Port Class         A           Cycle line         min.2.3 ms           Data width         16 Bit / 2 Byte           Data width	Output filter	yes, mean value formation, parameterizable N = 064
Analog output         M12 (male) 5-pole, A-coded           Analog output         M12 (temale) 5-pole, A-coded, shielded           General data         Image: Spole, A-coded, shielded           Ceneral data         Image: Spole, A-coded, shielded           Breaterial (housing)         IP65/IP67           Material (housing)         IP65/IP67           Baterial (housing)         IP65/IP67           Baterial (housing)         Laserlabelled           Temperature range         30	Over voltage protection	30 V DC
Analog output         M12 (female) 5-pole, A-coded, shielded           General data           Protection         IP65/IP67           Material (housing)         Plastic           Labeling         Laser labelind           Temperature range         -30+70 °C (storage temperature -40+85 °C)           Dimensions HxWxD         32.3-77.2×15 mm           Mode suppy         V           Operating voltage         24 V DC (1830 V DC)           Current consumption         max           IO-Link         19 mA           IO-Link         IP           Specification         IO-Link V1.1           Operating modes         COM2 (38.4 kbi/s)           Port Class         A           Cycle time         min. 2.3 ms           Data format         Semens S7           Parameterization         ISe III. Lower limit. upper limit. over heated, supply over voltage, supply under voltage, defective device, sensor cable break, sensor supply over current, overrun           Isegnestics         Inever limit. upper limit. over heated, supply over voltage, supply under voltage, defective device, sensor cable break, sensor supply over current, overrun           Isegnestics         Isegnestics           Protection         Isegnestics           Protection         Isegnestics	Connections	
Analog output         M12 (temalo) 5-pole, A-coded, shielded           General data           Protection         IP65/IP67           Material (housing)         Plastic           Labeling         Laser labelled           Temperature range         -30+70 °C (storage temperature -40+85 °C)           Dimensions H-WAD         32.3-77.2+15 mm           Model supply         U           Operating voltage         24 V DC (1830 V DC)           Current consumption         max. 19 mA           IO-Link         U           Specification         IO-Link V1.1           Operating modes         COM2 (38.4 kbits)           Port Class         A           Cycle time         min. 2.3 ms           Data format         IS Bit / 2 Byte           Data format         IS Bit / 2 Byte           Data format         Sensor supply over current, overrun           Lawerd linit.         19 Byte           Diagnostics         Iower limit, upper limit, overr heated, supply over voltage, supply under voltage, defective device, sensor cable break, sensor supply over current, overrun           Iower limit.         2 Byte           Paraeterization         Eyre           Protection         1 Byte           Protection         1 Byte </td <td>IO-Link</td> <td>M12 (male) 5-pole, A-coded</td>	IO-Link	M12 (male) 5-pole, A-coded
Protection Protection PE65/P67 Material (housing) Plastic Labeling Laser labelled Temperature range -3070° (c (sorage temperature -40485 °C) Dimensions H×W-D 32.3.77.2.×15 mm Module supply Coperating voltage 24 V DC (1830 V DC) Current consumption max. 19 mA IO-Link IO-Link IO-Link V1.1 Operating modes COM2 (38.4 kbits) Part Class A COVI2 (38.4 kbits) Port Class A Coycle time min. 2.3 ms Data width 16 Bit / 2 Byte Data format Siemens S7 Parameterization preset Data format Siemens S7 Parameterization preset Diagnostics Usive Timit, upper limit, over heated, supply over voltage, supply under voltage, defective device, sensor cable break, sensor supply over current, overnun tover limit 2 Byte Partenterization Siemens S7 Parameterization Partent	Analog output	M12 (female) 5-pole, A-coded, shielded
Material (housing)         Plastic           Labeling         Laser labelied           Temperature range         -30+70 °C (storage temperature -40+85 °C)           Dimensions H×WxD         32.3×77.2×15 mm           Module supply	General data	
Labeling       Laser labelled         Temperature range       -30+70 °C (storage temperature -40+85 °C)         Dimensions H-W-D       32.3×77 2×15 mm         Module supply          Operating voltage       24 V DC (1830 V DC)         Current consumption       max. 19 mA         IO-Link       U         Specification       IO-Link V1.1         Operating modes       COM2 (38.4 kbits)         Port Class       A         Cycle time       min. 2.3 ms         Data width       16 Bit /2 Byle         Data format       Siemens S7         Parameterization       Iower limit, upper limit, over heated, supply over voltage, supply under voltage, defective device, sensor cable break, sensor supply over current, overrun         tower limit       2 Byte         Mean value filter       1 Byte         Protection       Stores or supply over current, overrun         Reverse polarity protection module       yes, permanently         Short-circuit protection module       yes, permanently         Over voltage protection       30 V DC         Diagnostic       yes, permanently         Dord       Short-circuit protection status       yia LED and IO-Link         Diagnostic via LED       yes <td>Protection</td> <td>IP65/IP67</td>	Protection	IP65/IP67
Labeling       Laser labelled         Temperature range       -30+70 °C (storage temperature -40+85 °C)         Dimensions H-W-D       32.3×77 2×15 mm         Module supply          Operating voltage       24 V DC (1830 V DC)         Current consumption       max. 19 mA         IO-Link       U         Specification       IO-Link V1.1         Operating modes       COM2 (38.4 kbits)         Port Class       A         Cycle time       min. 2.3 ms         Data width       16 Bit /2 Byle         Data format       Siemens S7         Parameterization       Iower limit, upper limit, over heated, supply over voltage, supply under voltage, defective device, sensor cable break, sensor supply over current, overrun         tower limit       2 Byte         Mean value filter       1 Byte         Protection       Stores or supply over current, overrun         Reverse polarity protection module       yes, permanently         Short-circuit protection module       yes, permanently         Over voltage protection       30 V DC         Diagnostic       yes, permanently         Dord       Short-circuit protection status       yia LED and IO-Link         Diagnostic via LED       yes <td>Material (housing)</td> <td>Plastic</td>	Material (housing)	Plastic
Temperature range       -30+70 °C (storage temperature .40+85 °C)         Dimensions HxWxD       32.3x 77.2x 15 mm         Module supply          Operating voltage       24 V DC (1830 V DC)         Current consumption       max. 19 mA         IO-Link          Specification       IO-Link V1.1         Operating modes       COM2 (38.4 kbit/s)         Port Class       A         Cycle time       min. 2.3 ms         Data width       16 Bit / 2 Byte         Data width       16 Bit / 2 Byte         Data format       Siemens S7         Parameterization       Iower limit, over heated, supply over voltage, supply under voltage, defective device, sensor cable break, sensor supply over current, overrun         Diagnostics       Iower limit         Diagnostics       Byte         Mean value filter       1 Byte         Protection       Reverse polarity protection module         Reverse polarity protection module       yes, permanently         Short-circuit protection sensor       yes, permanently         Cort voltage protection       30 V DC         Diagnostic       yes permanently         Short-circuit protection sensor       yes, permanently         Cort voltage protection	Labeling	Laser labelled
Module suppl         Operating voltage         24 V DC (1830 V DC)           Current consumption         max. 18 mA           IO-Link         IO-Link VI.1           Operating modes         COM2 (38.4 kbit/s)           Port Class         A           Cycle time         min. 2.3 ms           Data width         16 Bit / 2 Byte           Data format         Sensor S T           Parameterization         Iower limit, upper limit, over heated, supply over voltage, supply under voltage, defective device, sensor cable break, sensor supply over current, overrun           Iower limit         2 Byte           Mean value filter         1 Byte           Protection         Image Protection module           Short-circuit protection module         yes, permanently           Short-circuit protection sensor         yes, permanently           Over voltage protection         30 V DC           Diagnostic         via LED and IO-Link           Diagnostic via LED         yes	Temperature range	-30+70 °C (storage temperature -40+85 °C)
Operating voltage         24 V DC (1830 V DC)           Current consumption         max. 19 mA <b>toLink</b> Image: Comparison of the VI.1           Operating modes         COM2 (38.4 kbit/s)           Operating modes         A           Cycle time         min. 2.3 ms           Data width         16 Bit / 2 Byte           Data width         6 Bit / 2 Byte           Data width         6 Bit / 2 Byte           Data width         6 Bit / 2 Byte           Data width         0 Berset           Measured value         preset           Diagnostics         lower limit, upper limit, over heated, supply over voltage, supply under voltage, defective device, sensor cable break, sensor supply over current, overrun           Iower limit         2 Byte           Mean value filter         1 Byte           Protection         2 Byte           Reverse polarity protection module         yes, permanently           Short-circuit protection module         yes, permanently           Core voltage protection         yes, permanently           Core voltage protection         yes, permanently           Communication status         via LED and IO-Link	Dimensions H×W×D	32.3×77.2×15 mm
Current consumption       max. 19 mA         IV0-Link       View         Specification       IO-Link V1.1         Operating modes       COM2 (38.4 kbit/s)         Port Class       A         Cycle time       min. 2.3 ms         Data width       16 Bit / 2 Byte         Data format       Siemens S7         Parameterization       View I limit, upper limit, over heated, supply over voltage, supply under voltage, defective device, sensor cable break, sensor supply over current, overrun         lower limit       2 Byte         upper limit       2 Byte         Measured value       yes, permanently         Reverse polarity protection module       yes, permanently         Short-circuit protection sensor       yes, permanently         fed back resistance       yes, permanently         Over voltage protection       30 V DC         Diagnostic       Via LED and IO-Link         Diagnostic via LED       yes	Module supply	
Current consumption       max. 19 mA         IV0-Link       View         Specification       IO-Link V1.1         Operating modes       COM2 (38.4 kbit/s)         Port Class       A         Cycle time       min. 2.3 ms         Data width       16 Bit / 2 Byte         Data format       Siemens S7         Parameterization       View I limit, upper limit, over heated, supply over voltage, supply under voltage, defective device, sensor cable break, sensor supply over current, overrun         lower limit       2 Byte         upper limit       2 Byte         Measured value       yes, permanently         Reverse polarity protection module       yes, permanently         Short-circuit protection sensor       yes, permanently         fed back resistance       yes, permanently         Over voltage protection       30 V DC         Diagnostic       Via LED and IO-Link         Diagnostic via LED       yes	Operating voltage	24 V DC (1830 V DC)
Specification         IO-Link V1.1           Operating modes         COM2 (38.4 kbit/s)           Port Class         A           Cycle time         min. 2.3 ms           Data width         16 Bit / 2 Byte           Data format         Siemens S7           Parameterization         Iower limit, upper limit, over heated, supply over voltage, supply under voltage, defective device, sensor cable break, sensor supply over current, overrun           Iower limit         2 Byte           Upper limit         2 Byte           Protection         2 Byte           Protection         yes, permanently           Reverse polarity protection module         yes, permanently           Short-circuit protection sensor         yes, permanently           Cover voltage protection         30 V DC           Diagnostic via LED         via LED and IO-Link	Current consumption	
Operating modes         COM2 (38.4 kbit/s)           Port Class         A           Cycle time         min. 2.3 ms           Data width         16 Bit / 2 Byte           Data format         Siemens S7           Parameterization         Preset           Diagnostics         lower limit, upper limit, over heated, supply over voltage, supply under voltage, defective device, sensor cable break, sensor supply over current, overrun           lower limit         2 Byte           upper limit         2 Byte           Protection         ges, permanently           Reverse polarity protection module         yes, permanently           Short-circuit protection         yes, permanently           Over voltage protection         yes, permanently           Over voltage protection         yes, permanently           Diagnostic         yes		
Operating modes         COM2 (38.4 kbi/s)           Port Class         A           Cycle time         min. 2.3 ms           Data width         16 Bit / 2 Byte           Data format         Siemens S7           Parameterization         Preset           Diagnostics         lower limit, upper limit, over heated, supply over voltage, supply under voltage, defective device, sensor cable break, sensor supply over current, overrun           lower limit         2 Byte           upper limit         2 Byte           Protection         Protection           Reverse polarity protection module         yes, permanently           Short-circuit protection sensor         yes, permanently           Over voltage protection         30 V DC           Diagnostic         via LED and IO-Link           Diagnostic via LED         yes	Specification	IO-Link V1.1
Port Class     A       Cycle time     min. 2.3 ms       Data width     16 Bit / 2 Byte       Data format     Siemens S7       Parameterization     Image: Signal	Operating modes	COM2 (38.4 kbit/s)
Data width       16 Bit / 2 Byte         Data format       Siemens S7         Parameterization       preset         Diagnostics       lower limit, upper limit, over heated, supply over voltage, supply under voltage, defective device, sensor cable break, sensor supply over current, overrun         lower limit       2 Byte         upper limit       2 Byte         Mean value filter       1 Byte         Protection       ves, permanently         Short-circuit protection module       yes, permanently         Over voltage protection       30 V DC         Diagnostic       via LED and IO-Link         Diagnostic via LED       yes	Port Class	
Data format       Siemens S7         Parameterization       preset         Measured value       preset         Diagnostics       lower limit, upper limit, over heated, supply over voltage, supply under voltage, defective device, sensor cable break, sensor supply over current, overrun         lower limit       2 Byte         upper limit       2 Byte         Mean value filter       1 Byte         Protection       ves, permanently         Short-circuit protection module       yes, permanently         over voltage protection       30 V DC         Diagnostic       via LED and IO-Link         Diagnostic via LED       yes	Cycle time	min. 2.3 ms
Parameterization         Measured value       preset         Diagnostics       lower limit, upper limit, over heated, supply over voltage, supply under voltage, defective device, sensor cable break, sensor supply over current, overrun         lower limit       2 Byte         upper limit       2 Byte         Mean value filter       1 Byte         Protection       reserver polarity protection module         yes, permanently       yes, permanently         Cover voltage protection       30 V DC         Diagnostic       Journal LED and IO-Link         Diagnostic via LED       yes	Data width	16 Bit / 2 Byte
Measured value         preset           Diagnostics         lower limit, upper limit, over heated, supply over voltage, supply under voltage, defective device, sensor cable break, sensor supply over current, overrun           lower limit         2 Byte           upper limit         2 Byte           Mean value filter         1 Byte           Protection         1 Byte           Reverse polarity protection module         yes, permanently           Short-circuit protection sensor         yes, permanently           Geed back resistance         yes, permanently           Over voltage protection         30 V DC           Diagnostic         yes           Communication status         via LED and IO-Link           Diagnostic via LED         yes	Data format	Siemens S7
Diagnostics       lower limit, upper limit, over heated, supply over voltage, supply under voltage, defective device, sensor cable break, sensor supply over current, overrun         lower limit       2 Byte         upper limit       2 Byte         Mean value filter       1 Byte         Protection       yes, permanently         Short-circuit protection module       yes, permanently         feed back resistance       yes, permanently         Over voltage protection       30 V DC         Diagnostic       Via LED and IO-Link         Diagnostic via LED       yes	Parameterization	
Diagnostics     break, sensor supply over current, overrun       lower limit     2 Byte       upper limit     2 Byte       Mean value filter     1 Byte       Protection     reverse polarity protection module       yes, permanently     yes, permanently       Short-circuit protection sensor     yes, permanently       feed back resistance     yes, permanently       Over voltage protection     30 V DC       Diagnostic     Yes       Communication status     via LED and IO-Link       Diagnostic via LED     yes	Measured value	preset
upper limit         2 Byte           Mean value filter         1 Byte           Protection            Reverse polarity protection module         yes, permanently           Short-circuit protection sensor         yes, permanently           feed back resistance         yes, permanently           Over voltage protection         30 V DC           Diagnostic         via LED and IO-Link           Diagnostic via LED         yes	Diagnostics	lower limit, upper limit, over heated, supply over voltage, supply under voltage, defective device, sensor cable
Mean value filter       1 Byte         Protection       Protection module         Reverse polarity protection module       yes, permanently         Short-circuit protection sensor       yes, permanently         feed back resistance       yes, permanently         Over voltage protection       30 V DC         Diagnostic       via LED and IO-Link         Diagnostic via LED       yes	lower limit	2 Byte
Protection       Reverse polarity protection module     yes, permanently       Short-circuit protection sensor     yes, permanently       feed back resistance     yes, permanently       Over voltage protection     30 V DC       Diagnostic     via LED and IO-Link       Diagnostic via LED     yes	upper limit	2 Byte
Reverse polarity protection moduleyes, permanentlyShort-circuit protection sensoryes, permanentlyfeed back resistanceyes, permanentlyOver voltage protection30 V DCDiagnosticCommunication statusvia LED and IO-LinkDiagnostic via LEDyes	Mean value filter	1 Byte
Short-circuit protection sensor     yes, permanently       feed back resistance     yes, permanently       Over voltage protection     30 V DC       Diagnostic     via LED and IO-Link       Diagnostic via LED     yes	Protection	
feed back resistance     yes, permanently       Over voltage protection     30 V DC       Diagnostic     via LED and IO-Link       Diagnostic via LED     yes	Reverse polarity protection module	yes, permanently
Over voltage protection     30 V DC       Diagnostic     Via LED and IO-Link       Diagnostic via LED     yes	Short-circuit protection sensor	yes, permanently
Diagnostic       Communication status     via LED and IO-Link       Diagnostic via LED     yes	feed back resistance	yes, permanently
Communication status     via LED and IO-Link       Diagnostic via LED     yes	Over voltage protection	30 V DC
Diagnostic via LED yes	Diagnostic	
	Communication status	via LED and IO-Link
Diagnostic via IO-Link yes	Diagnostic via LED	yes
	Diagnostic via IO-Link	yes

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Monitoring - limit	yes
Monitoring - temperature	yes
Monitoring - over voltage	yes
Monitoring - under voltage	yes
Underride and overrun	yes
Commercial data	
country of origin	DE
customs tariff number	85389099
EAN	4048879588232
eClass	27242601
Packaging unit	1

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