Modbus DP 6 VISU 2

Register can be read using Function code 4 (Read Input Register)

Start	End	Data type	Description
10752	10752	u 16bit	High Byte: Visu-ID Low Byte: reserved
10753	10753	u 16bit	High (12bit): part number Low (4bit):reserved
10754	10755	u 32bit	Continuous serial number within the article number Low word first
10758	10758	u 16bit	error Messages Bit 0: 0 = no error , 1 = at least one error is current appending
10759	10759	u 16bit	Operating state Bit 0 - motor status: 1=motor is running Bit 6 - alarm relay Bit 7 - warning relay Bit 8 - reset input Bit 9 - reset button { 1=active}
10766	10766	u 16bit	High Byte: Major Software Revision Number Low Byte: Minor Software Revision Number
10767	10767	u 16bit	Function Description 0 = Engineering Sample 1.9 = variant 99 = Bootloader
10770	10770	u 16bit	Variants to Articles Number if value < 10000 "S" [value] if value > 10000 "P" [value - 10000]
10771	10771	u 16bit	voltage key 13=24V DC 20=24V AC/DC 22=115-230V AC 31=24V AC 41=115V AC 52=230V AC
10772	10773	u 32bit	Total error shutdowns Low word first
10774	10775	u 32bit	Total number of pump starts Low word first
10776	10776	u 16bit	Current hour period in seconds (internal time) 0...3599 seconds

Start	End	Data type	Description
10777	10777	u 16bit	Residual delay time estimated time period until the compressor can be switched on again 0..65533 sec 65.535 = Locked switch off 65.534 = indefinite time
10778	10779	u 32bit	Time stamp Seconds from 01.01.1970 00:00:00 POSIX format
10780	10781	u 32bit	Time stamp of the last operational switching Seconds from 01.01.1970 00:00:00 POSIX format
10788	10788	u 16bit	Number of hours of the current day (internal time) 0-23h
10789	10789	u 16bit	Runtime to service in hours
10792	10792	u 16bit	Module status engine temperature - PTC Function block status green - OK yellow - warning red - alert flashing red - error corrected, restart delay active dark red - alarm, locked gray - not active
10793	10793	u 16bit	motor sensor ohmic value 1…65 535Ω, 0 = not present
10794	10794	u 16bit	Module state temperature 1 Function block status green - OK yellow - warning red - alert flashing red - error corrected, restart delay active dark red - alarm, locked gray - not active
10795	10795	u 16bit	Temperatur sensor 1 ohmic value 1…65 535Ω, 0 = not present
10798	10798	u 16bit	Module status leakage 1 Function block status green - OK yellow - warning red - alert flashing red - error corrected, restart delay active dark red - alarm, locked gray - not active
10799	10799	u 16bit	Leakage 1 ohmic value 1…65535kΩ, 0 = not present

Start	End	Data type	Description
10814	10814	u 16bit	Module status relay monitoring Function block status green - OK yellow - warning red - alert flashing red - error corrected, restart delay active dark red - alarm, locked gray - not active
10815	10815	u 16bit	Pump runtime while "operation despite shutdown" was recognized time = value * 10min 0…655 350min
10818	10818	u 16bit	Module status General monitoring Function block status green - OK yellow - warning red - alert flashing red - error corrected, restart delay active dark red - alarm, locked gray - not active
10828	10829	u 32bit	Operating time Operating time = value * 10 min 0…4 294 967 296 min Low word first
10830	10831	u 32bit	Operating time in warning state
10834	10835	u 32bit	Downtime
10852	10852	s 16offset	motor temperature actual value Temperature = (value - 32768) / 100 -327,00 ° C … + 327,00 ° C
10854	10854	s 16offset	Temperature sensor 1 actual value Temperature = (value - 32768) / 100 -327,00 ° C … + 327,00 ° C 65535 = not available
10894	10895	u 32bit	Time since the last error in minutes
10912	10912	u 16bit	Event memory: index of current event Position in the rolling event log 0… 65535
10913	10913	u 16bit	Event memory: index of current measured value set Position in the rolling measured value memory 0… 65 535
10914	10915	u 32bit	Event log: Last event timestamp 0… 4,294,967,295 seconds from 01.01.1970 00:00:00, POSIX format
10916	10916	u 16bit	Event memory: Last event error number
10992	10992	u 16bit	Life time counter: Engine temperature too high Trip

Start	End	Data type	Description
10993	10993	u 16bit	Life time counter: motor temperature too high Trip, locked
10994	10994	u 16bit	Life time counter: motor sensor short circuit Trip
10995	10995	u 16bit	Life time counter: motor sensor open circuit Trip
10996	10996	u 16bit	Life time counter: Temperature sensor 1 limit exceeded trip
10997	10997	u 16bit	Life time counter: Temperature sensor 1 limit exceeded locked
10998	10998	u 16bit	Life time counter: Temperature sensor 1 short circuit trip
10999	10999	u 16bit	Life time counter: Temperature sensor 1 open circuit Trip
11004	11004	u 16bit	Life time counter: Leakage monitoring 1 trip
11005	11005	u 16bit	Life time counter: Leakage monitoring 1 locked
11032	11032	u 16bit	Total number of shutdowns due to device error alarm
11074	11074	u 16bit	Total of warnings due to temperature 3
11075	11075	u 16bit	Life time counter: Leakage monitoring 1 warning
11076	11076	u 16bit	Life time counter: Temperature sensor 1 limit exceeded warning
11114	11114	u 16bit	Life time counter: power reset Message
11115	11115	u 16bit	Total over lifetime: Real-time clock synchronization Message
11117	11117	u 16bit	Total over lifetime: Reset via input / button Message
11118	11118	u 16bit	Life time counter: Successful parameter change via DP Message

Start	End	Data type	Description
11172	11172	u 16bit	Current operation time of the pump 0…65 535min
11174	11174	u 16bit	Number of running times <5 min Number to determine of quasi- percentage distribution
11175	11175	u 16bit	Number of running times 5-9 min Number to determine of quasi- percentage distribution
11176	11176	u 16bit	Number of running times 10-19 min Number to determine of quasi- percentage distribution
11177	11177	u 16bit	Number of running times 20-29 min Number to determine of quasi- percentage distribution
11180	11180	u 16bit	Number of operation times 120-300 min Number to determine of quasi- percentage distribution
11181	11181	u 16bit	Number of operation times> 300 min Number determine of quasi- percentage distribution