



REOVIB Control Equipment for the Vibratory Feeder Industry

MFS 268 Frequency Converter for Vibratory Feeders

Appendix: EtherNet-IP - Programming



Technical safety instructions for the user

This description contains the necessary information for the correct application of the product described below. It is intended for use by technically qualified personal.

Qualified personnel are persons who, because of their training, experience and position as well as their knowledge of appropriate standards, regulations, health and safety requirements and working conditions, are authorised to be responsible for the safety of the equipment, at all times, whilst carrying out their normal duties and are therefore aware of, and can report, possible hazards (Definition of qualified employees according to IEC 364)

Safety Instructions

The following instructions are provided for the personal safety of operators and also for the protection of the described product and connected equipment.



Warning! Hazardous Voltage

Failure to observe can kill, cause serious injury or damage

- Isolate from mains before installation or dismantling work, as well as for fuse changes or post installation modifications.
- Observe the prescribed accident prevention and safety rules for the specific application.
- Before putting into operation check if the rated voltage for the unit conforms with the local supply voltage.
- Emergency stop devices must be provided for all applications. Operation of the emergency stop must inhibit any further uncontrolled operation.
- The electrical connecting terminals must be covered!
- Earth bonding must be tested for integrity after installation.

Specified Use

The units described herein are electrical controllers for installation in industrial plant. They are designed for controlling vibratory feeders.



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1.0 General

The MFS 268 range of frequency converters for vibratory feeders can operate with an EtherNet-IP interface.

In normal operation the set point, for the feeder throughput, can be sent from a PLC to the controller and the unit ready/fault status signals are fed back. In an additional parameter mode the unit can be configured over the EtherNet-IP. An external power supply of 24 VDC is required for the interface.

The required EDS-File is provided at the time of delivery.



The interface enables communication with the frequency converter, using 4 data words (i.e. 16 Bits). The four 16 Bit words are transmitted and acknowledged every bus cycle.

! Important – Data consistence is required to operate with EtherNet-IP!

Note: Data consistence is defined in a Siemens S7 PLC with SFC14 and SFC15, for example

Units are factory set prior to delivery and so are configured for bus operation. If the unit is required for manual control then the parameter "CAN." in menu C 017 should be set on "0". You get back to bus operation, if you choose CAN. = "1".



2.0 Interface operation (EtherNet-IP)

Bus Power Supply	24 V, DC, 250 mA
Bus connector	2 x RJ-45
Internal interface	CAN-Bus
Supported baud rates	1000 kBaud
Communication	Data consistency required
Protocol	EtherNet-IP

3.0 Activate interface

For the interface version parameter "CAN" is set to "I". Then communication through the interface is possible. If manual control of the unit should be required e.g. for testing, this parameter must firstly be set back to "0" again.

Important: The parameter "Ad." must be set to "1" and the baud rate must be set to "b 1000".

Code 017



4.0 EDS-File

Following EDS-File is required for the operation with the EtherNet-IP interface:

EDS File Name: UNIGATE IC-EI 2Port.eds

The EDS-file is supplied on a CD with each new unit or alternatively, visit <u>www.reo.de</u> to download the file from the website.

5.0 Bus operating modes

Two fundamental operating modes can be chosen for bus communication.

- **Normal Operation:** Control of the frequency controller in production, in which case the Set point and ON/OFF control signals are transmitted
- Parameter Operation:
 Adjustment of the frequency controller for the desired operation mode and limits.

 In a special mode the parameter and parameter addresses are transmitted and acknowledged.

 In parameter operation, the unit's specific values, such as frequency, soft start time, timers and switching etc., are set.



5.1 Programming for the Bus operation

In normal operation the set point for Amplitude (throughout/feed rate) and the digital control signals, such as enable are set across the interface. The actual voltage/current values and unit status (ready or fault) are fed back. All data words are within the range 0...FFFF H. The following communication words are given in bit form.

5.1.1 Send to Controller

H-I	Bvte							L-E	Bvte							Word 1
15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	0000 H (reserved)
H-F	Byte							L-E	Byte							Word 2
15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	Set point 1, 16-Bit 100 % = FFFF H
H-F	Byte							L-E	Byte							Word 3
15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	reserved
H-B	3yte							L-E	3yte							Word 4
15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	
																Control - word
bit																
e													<u>le</u>			Bit = "1" = Function ON
0													lab			
Σ													ш			All unused bits MUST be set to `0`
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Co	ntro	l inf	orm	atior	n (ui	nit s	peci	fic)							
													Ι			
		Г	0 -	- NI-						٦						
			0=	= INO - Do	rmal operation											Enable bit
			1 =	- Pa	ram	elei	ope	alla	011							

5.1.2 Reply from Controller

H-E	Byte							L-E	Byte							Word 1
15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	xxxx H (undefined)
H-E	3yte							L-I	Byte	•						Word 2 (only in regulation mode)
15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	Feed back actual acceleration
																16 Bit 100% = 8000H
H-E	Byte							L-I	Byte	•						Word 3
15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	Feed back actual output current,
																16 Bit 100% = 8000H (in % von I-nom)
H-E	Byte							L-I	Byte	•						Word 4
15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	
			-													Status - Word
																X = Not defined
Sta	atus	- Co	ode													
ER	RO	२ - (Cod	е					\times							
									\sim	\sim	0	\sim	\sim	\sim	\sim	
								Sta	Status information							
								Ur	nit sp	beci	fic					
00		U	nit n	ot r	espo	ondi	ing									
A5	(H)	Uı	nit re	ead	У											
57	(H)	E	RRC	DR F	Peal	<								_		
58	(H)	E	RRC	DR (C										OF	F – Bit
02	(H)	E	RRC	DR (ЭL			Ă Ă							Acl	knowledge
0C	(H)	E	RRC	DR A	٩CC	;										5
05	(H)	E	RRC	DR (JU											
C0	(H)	A	ckno	owle	dge	•										
		Pa	aran	nete	er m	ode										

Status, actual acceleration and actual output current are received.



5.2 Parameter Operation

In parameter operation, the specific unit parameters can be monitored and adjusted. A `write` enable must be transmitted before parameters can be altered. On closing, the `write` enable must be cancelled.

A 'read' request must be sent before data can be read.

Word 3 in the acknowledge is always `CODE H`. This indicates that the controller is in parameter mode.

5.2.1 Creating parameter addresses and values

In parameter operation the most significant bit (msb) in Word 1 is defined as a read or write bit (R/W), where 1 = write and 0 = read, this should be accompanied by the corresponding parameter address.

The mode bit (msb in Word 3) is used to select normal or parameter operation, 0 = Normal or 1 = parameter operation.

Word 1:	reserved	0000 H
Word 2:	R / W – Bit + Address	e.g. 8000 H + 1009 H => 9009 H
Word 3:	Value of the parameters	e.g. 7FFF H
Word 4:	Mode bit = 1 + Control bit's	e.g. 8000 H + 0004 H => 9004 H

5.2.2 Send Write Enable

H-I	Byte							L-E	Syte							Word 1
15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	0000 H (reserved)
H-I	Byte							L-E	Byte							Word 2
C0 D											D	Ε				Write Enable Address = C0DE H
H-F	Byte							L-E	Byte							Word 3
			В	5							E	7				Write Enable = B5E7 H
H-I	Byte							L-E	Byte							Word 4
15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	Control - Word + 8000 H
1 Mode bit 0<										Mode Bit must be set to `1` !! All unused bits must be set to `0` Bit = `1` = Function ON						
	Control Information unit specific															



5.2.3 Receive, Acknowledge Write Enable

H-Byte	L-Byte	Word 1
00	0E	xxxx H (undefined)
H-Byte	L-Byte	Word 2
CO	DE	CODE H
H-Byte	L-Byte	Word 3
B5	E7	B5E7 H
H-Byte	L-Byte	Word 4
C0	DE	CODE H

The parameters can be sent after receipt of the acknowledge

5.2.4 Send Parameter

H-E	Byte L-Byte ' 14 13 12 11 10 9 8 7 6 5 4 3 2 1 0														Word 1	
15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	0000 H (reserve)
H-E	3yte							L-E	3yte							Word 2
15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	
R / W						Par	ame	eter	addi	ress	•					Parameter address + R / W – Bit (16-Bit) = 0FFFF H
H-E	-L -Byte L-Byte '														Word 3	
															Parameter value	
	xx XX														(16-Bit) = 0FFFF H	
H-E	Byte							L-E	Byte							Word 4
15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	
																Control - Word + 8000H
de bit																Mode must be set to `1`!!
1 Mo	0	0	0	0	0	0	0	0	0	0	0	0	0	0		All unused bits must be set to `0` Bit = `1` = Function ON
	- 0 0 0 0 0 0 0 0 0 0 0 0 0 0															

Received acknowledge

H-E	Byte	L-Byte	Word 1			
	00	00	xxxx H			
H-E	Byte	L-Byte	Word 2			
15	14 13 12 11 10 9 8	7 6 5 4 3 2 1 0				
R / W	Parame	eter address	Acknowledge the sent address + R / W - Bit			
H-E	Byte	L-Byte	Word 3			
	XX	xx	Acknowledge the Parameter value			
H-E	Byte	L-Byte	Word 4			
	CO	DE	Acknowledge the Parameter mode (always "C0DE" H)			



5.2.5 Close write enable

H-I	Byte							L-E	Byte							Wort d							
			0	0					00 0000 H														
H-I	Byte							L-E	3yte							Word 2							
			С	;0				DE Write Enable Address = C0DE H															
H-I	Byte							L-E	3yte							Word 3							
			0	0				Enable Value 0000															
H-I	Byte							L-E	Byte							Word 4							
15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0								
																Control - Word + 8000 H							
ij																							
e																Mode bit must be set to `1`!							
ро																							
Σ																All unused bits must be set to '0'							
~	0	0	0	0	0	0	0	0	0	0	0	0	0	0		BIT = T = Function ON							
<u> </u>					<u> </u>		<u> </u>								<u>- </u>								
	Co	ntro	l Infe	orm	atio	n (ui	nit s	peci	itic)														

5.2.6 Parameter read (send)

H-I	Byte	;						L-E	Byte							Wort d
			0	0							()0				xxxx H (undefined)
H-	Byte	9					L-E	Byte							Word 2	
15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	
R / W						Par	am	eter	add	ress	6					Parameter address + R / W - Bit
H-I	Byte	9						L-E	Byte							Word 3
			0	0							(00				Read Enable Value = 0000
H-I	H-Byte															Word 4
80									-		(00				Mode bit = 1 + Control bits

Received parameter

H-I	Byte)						L-E	Byte							Word 1
			0	0						0)0				xxxx H (undefined)	
H-I	Byte		L-E	3yte							Word 2					
15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	
~																Acknowledge
~						Par	ame	eter	add	ress	;					Parameter address + R / W - Bit
R																
H-I	Byte)						L-E	Byte							Word 3
XX											Х	X				Parameter value
H-Byte L-Byte																Word 4
CO											D)E				Ackowledge Parameter mode



6.0 Parameter Table

Non listed addresses cannot be altered!

Parameter:		Adjustment	Display- Code	Factory Setting:	Entry code	Parameter address HEX (bit)	Value HEX
Vi	bratory feeder						
•	Amplitude (throughput)	0100 %	A.	0 %	000, 002, 008, 096	100C	0x00000xFFFF
•	Second set point / coarse - fine	0100 %	2.	0	002	0x1006	0x00000xFFFF
٠	Maximum control limit (U _{max})	5100 %	Ρ.	90 %	096, 008	1009	0CCCFFFF H
•	Vibrating frequency	5300 Hz	F.	100 Hz	096, 008 040	1005	01F47530 H 50030000 dec. (FL.)(FH.)
•	Soft start ramp up	060 sec.	1.	0,1 sec.	096	1013	0x00000xFFFF
•	Soft stop ramp down	060 sec.	۱.	0,1 sec.	096	1012	0x00000xFFFF
٠	Switch to external set point	0/1	E.S.P.	0	003	0x5800	0x0000 / 0x FFFF
٠	Set point 0(4)20 mA	0/1	4.20	0	003	0x5801	0x0000 / 0x FFFF
•	Potentiometer set point (for 3 / 6 / 8 A units)	0/1	POT.	0	003	0x5805	0x0000 / 0x FFFF
•	Coarse / Fine control	0/1	S.P.2.	0	003	0x580C	0x0000 / 0x FFFF
•	Switch to second set point (delayed)	0/1	S.2.d	0	003		0x0000 / 0x FFFF
٠	Invert enable	0/1	-En.	0	003	0x5811	0x0000 / 0x FFFF
•	Switch status/ ready relay	0/1	r.b.	0	003	0x583D	0x0000 / 0x FFFF
Re	egulation (with sensor)	•	•			•	
٠	Switch to regulation	0/1	ACC.	0	008	0x5808	0x0000 / 0x FFFF
٠	P characteristic	0100	P.A.	40	008	0x100F	0x00000xFFFF
•	I characteristic	0100	I.A.	100	008	0x1014	0x00000xFFFF
•	Automatic frequency control	0/1	A.F.C.	0	800	0x5809	0x0000 / 0x FFFF
٠	Start automatic frequency search	start	A.F.S.		008	0x1400	0x0AF5
Tr	ack control						
•	Switch on time delay	060 sec.	1.	1 sec.	007, 167	0x1003	0x00000xFFFF
•	Switch off time delay	060 sec.	О.	1 sec.	007, 167	0x1002	0x00000xFFFF
•	Invert sensor	PNP / PNP inverse	-SE.	0	007, 167	0x580A	0x0000 / 0x FFFF
Se	ensor control		-				
٠	Sensor Time-out	0/1	E.En	0	015, 167	0x580B	0x0000 / 0x FFFF
•	Sense time delay (Sensor Time-out)	30240 sec.	E.	180 sec.	015, 167	0x1004	0x00000xFFFF
٠	lead time valve output ¹⁾	060 sec.	A.r.	0,0	015		0x00000xFFFF
٠	follow-up time valve output ¹⁾	060 sec.	Ai.	4,0	015	0x102C	0x00000xFFFF
In	terface (option)			T	1		
٠	Interface OFF / ON	0/1	cAn.	1	017	0x5818	0x0000 / 0x FFFF
Se	ervice	-		1	1		
٠	ERROR Reset	Reset	CLr.Er.		009	1400	C009 H
٠	Hide programming menus	0/1	Hd.C.	-	117	0x5804	0x0000 / 0x FFFF
•	Choose user parameter menu Nr. 03	03	U.S.I.	0	143		
•	Save user settings		PUSH.		143		
•	Recall factory settings		FAC.		210		
•	Choose user parameter menu Nr. 03	03	U.S.I.	0	210		
٠	Recall user parameter		US.PA.	1	210		



Parameter:	Adjustment	Display- Code	Factory Setting:	Entry code	Parameter address HEX (.bit)	Value HEX
Service limits						
Enable service menu	0/1	En.S.	0	127	0x5834	0x0000 / 0x FFFF
• Show output current (0 100 %)		i.		040	0x200A	0x00000x8000 H
Show active vibration frequency		F.		040	0x1005	0x01F40x7530 H
Current limit	0100 %	Ι.	100	040	0x1016	0x00000x8000 H
Stop at current limit	0/1	E.F.u.	0	040	0x5850	0x0000 / 0x FFFF
Current regulator P-part	1100	I.P.	20	040	0x100D	0x00000xFFFF
Current regulator I-part	1100	1.1	40	040	0x1032	0x00000xFFFF
Min frequency limit	5150 Hz	F.L:	35	040	0x1020	01F47530 H 50030000 dec.
Max frequency limit	5150 Hz	F.H.	140	040	0x1021	01F47530 H 50030000 dec.
Start level AFC	0100	A.S.	25	040	0x1033	0x00000xFFFF
Output voltage limited	0100	P.L.	100	040	0x1018	0x00000xFFFF

Not available IP20 Version
 Not for fieldbus operation



7.0 Example of bus communication with Frequency controller

Variable values are shown in *italics*.

7.1 Normal mode

(Set point to 70 %)

(
	Word	Code	send	Code	Received
t	1	0000 H		0000 H	
Se	2	B332 H	Set point = 70 %		
end oint	3				
ωğ	4	0004 H	Enable On	A5xx H	Ready

Enable ON, Stop controller (with enable)

end Set oint	Word	Code	send	Code	Received
	1	0000 H		0000 H	
	2	B332 H	Set point = 70 %		
	3				
ωğ	4	0000 H	Enable OFF	A5xx H	Ready

7.2 Parameter mode

(e.g. set frequency to 50 Hz and soft start to 2 second)

	Word	Code	send	Code	Received
	1	0000 H		0000 H	
rite	2	CODE H	Write enable Address	CODE H	Acknowledge
≥_o	3	B5E7 H	Write enable value	B5E7 H	Acknowledge
Den	4	8000 H + Control bits	Set mode bit = 1	CODE H	Acknowledge

	1	0000 H		0000 H	
eter	2	9005 H	Parameter address	9005 H	Acknowledge
me			Vibrating frequency		
ıra			+ R / W - Bit		
вq	3	1388H	Frequency 50 Hz	1388 H	Acknowledge 50 Hz
ite	4	8000 H +	Set mode bit = 1	CODE H	Acknowledge
Ž		Control bits			

	1	0000 H		0000 H	
eter	2	9013 H	Parameter address	9013 H	Acknowledge
Ĕ			Soft start		
ıra			+ R / W - Bit		
рe	3	3333 H	Soft start 2 Sec.	3333 H	Acknowledge 2 seconds
ite	4	8000 H +	Set mode bit = 1	CODE H	Acknowledge
Nr		Control bits			-

	Word	Code	send	Code	Received
a)	1	0000 H		0000 H	
/rite	2	CODE H	Write enable address	CODE H	Acknowledge
≤ e	3	0000 H	Write enable Value	0000 H	Acknowledge
ose abl	4	8000 H +	Set mode bit = 1	CODE H	Acknowledge
Ŭ		Control bits			-



Example of switch parameter change

Enable invert

	Word	Code	send	Code	Received
Ø	1	0000 H		0000 H	
able	2	CODE H	Write Enable Address	CODE H	Acknowledge
en	3	B5E7 H	Write Enable Value	B5E7 H	Acknowledge
en /rite	4	8000 H +	Set mode bit = 1	CODE H	Acknowledge
ă≯		Control bits			

	1	0000 H		0000 H	
	2	D811 H	Parameter address	D811 H	Acknowledge
ē					
met	3	FFFF H	new Parameter	FFFF H	Acknowledge
'rite araı	4	8000 H +	Set mode bit = 1	CODE H	Acknowledge
≥ م		Control bits			

	Word	Code	send	Code	Received
a)	1	0000 H		0000 H	
able	2	CODE H	Write Enable Address	CODE H	Acknowledge
en	3	0000 H	Write Enable Value	0000 H	Acknowledge
lose ∕rite	4	8000 H +	Set mode bit = 1	CODE H	Acknowledge
υ≤		Control bits			

Read only the parameter)

	Word	Code	send	Code	Received
	1	0000 H		0000 H	
	2	1013 H	Parameter address Soft start	1013 H	Acknowledge
	3	0000 H	Read parameter	8000 H	Parameter value (=> 5 seconds)
Read	4	8000 H + Control bits	Set mode bit = 1	C0DE H	Acknowledge Parameter mode



7.3 RESET Controller

	Word	Code	send	Code	received
d)	1	0000 H		0000 H	
able	2	CODE H	Write Enable Address	CODE H	Acknowledge
en	3	B5C9 H	Write Enable Value	B5C9 H	Acknowledge
en ite	4	8000 H +	Set mode bit = 1	CODE H	Acknowledge
Уp		Control bits			

	1	0000 H		0000 H	
<u> </u>	2	9400 H	Parameter address	0000 H	Acknowledge
Jete			Reset		
Iran			+ R / W - Bit		
Ба	3	C009 H	RESET.	0000 H	
/rite	4	8000 H +	Set mode bit = 1	CODE H	
5		Control bits			

Allow approximately 0.5 sec. for RESET



8.0 Methods for adjusting the IP-address

- 1. Web server (Preferably)
- 2. DHCP Server Utility

If you don't have a browser, you can push a switch on the front of our device. If you push this switch shorter than five seconds, the device gets the IP-address 192.168.11.182. If you push this switch longer than five seconds, the device is set into the original state (IP-address 0.0.0.0) and DHCP is set on.

8.1 Web server

You can call up an HTML-page with the help of our web server. There are shown system parameters of the device on this page.

If the subnet mask of your PC doesn't correspond with the subnet mask of the device, you proceed in the following way.

- 1. You open the control panel.
- There you open the "Network and Sharing Center".
 There you click on "LAN-Verbindung" respectively "LAN-connections".
 There you choose "Properties".

Connection —		
IPv4 Connect	ivity:	Internet
IPv6 Connect	ivity:	No Internet access
Media State:		Enabled
Duration:		00:05:07
Speed:		100.0 Mbps
Activity	Cont I	Decrived
Activity ———	Sent — 💐	— Received
Activity ——— Bytes:	Sent — 🔰 1.337.375	



5. Then you double-click on "Internet Protocol Version 4 (TCP/IPv4)"

Realtek PCle	GBE Family Controller	
This connection use	es the following items:	Configure
Kaspersky	Anti-Virus NDIS 6 Filter et Scheduler	E
Image: Constraint of the second s	inter Sharing for Microsoft otocol Version 6 (TCP/IPv otocol Version 4 (TCP/IPv	Networks 6) 4) -
 ✓ Pile and Pr ✓ ▲ Internet Pr ✓ ▲ Internet Pr 	inter Sharing for Microsoft otocol Version 6 (TCP/IPv otocol Version 4 (TCP/IPv III	Networks 6) 4) +
Install	inter Sharing for Microsoft 1 otocol Version 6 (TCP/IPv otocol Version 4 (TCP/IPv III Uninstall	Networks 6) 4) Properties

6. Then you set the subnet mask at 255.255.240.0.

neral	
ou can get IP settings assigne nis capability. Otherwise, you or the appropriate IP settings	ed automatically if your network supports need to ask your network administrator .
Obtain an IP address aut	omatically
() Use the following IP addr	ess:
IP address:	192 . 168 . 10 . 158
Subnet mask:	255 . 255 . 255 . 0
Default gateway:	192.168.10.6
Obtain DNS server addres	ss automatically
() Use the following DNS ser	ver addresses:
Preferred DNS server:	192 , 168 , 10 , 3
Alternate DNS server:	192.168.10.1
	sit 🕞 👔

- You click on "OK".
 Then you open the web browser (e.g. the Internet-Explorer).
 You enter the following IP-address 192.168.11.182 as address.
- 10. Then you click on "IP-Set".



8.2 DHCP Server Utility (Example: "BOOTP/DHCP Server")

1. Please download a DHCP Server software for example: "DHCP/BOOTP Utility".

Important: Before you start the DHCP-server, note the MAC-address which has the following form: 00-00-BC-14-55-35. The MAC-address stands on the front of the module.

2. Start the DHCP-software.

	Server 2.	3			
le Tools H	elp				
Request History Clear History	Add to	Relation List			
(hr:min:sec)	Туре	Ethernet Address (MAC)	IP Address	Hostname	
New Dele	e Enabl	e BOOTP Enable DHCP	Disable BOOTP/DHCP]	
Ethernet Addr	ess (MAC)	Type IP Address	Hostname	Description	

3. You choose "Network Settings" in the menu "Tools".

File To	ools Help	
Rec	Network Settings	1
	Request History	\rightarrow
Ū	Relation List	- + I

4. You enter the subnet mask.

Defaults							
Subnet Mask:	255	•	255		255	÷.	0
Gateway:	0		0	•	0	•	0
Primary DNS:	0	:	0		0	÷.	0
econdary DNS:	0	•	0	•	0	•	0
Domain Name:							

- 5. The Gateway-address, Primary and/or Secondary DNS-address and Domain Name are optional.
- 6. Choose the appropriate module.
- Click on "Add to Relation List". The "New Entry" dialog box appears.
 Enter an IP-address, host name and description for the module.
- 9. Click on "OK".
- 10. You wait until the module appears in the "Relation List". Then you choose it. The configuration is assigned permanently for the module this way.
- 11. Click "Disable BOOTP/DHCP".
- 12. If the message "Command successful" appears, the configuration was successful.







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