

MODBUS_VAMP52_v10_27

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Device name          FEEDER/MOTOR
PROTECTION RELAY
Device type          VAMP 52
Application mode     Feeder
Program version      V10.27
    
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VS_MBSlave_402001:

Read-only items 401991->:

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Name          Access  Scaling
Setting for scaling Address
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Reread event      R -    1 = 1      -
    401991...401995
Events           R -    1 = 1      -
    401996...402000
Alive indicator   R -    1 = 1      -
    402001
DI              R -    1 = 1      -
    402007
DI's after DI16 for ModBus R -    1 = 1      -
    402008
Phase current IL1 R -    1 A = 1    -
    402009
Phase current IL2 R -    1 A = 1    -
    402010
Phase current IL3 R -    1 A = 1    -
    402011
Io1 residual current R -    1.00 A = 100 -
    402012
Zero sequence voltage R -    1.0 % = 10   -
    402020
Frequency        R -    50.000 Hz = 5000
Frequency scaling 402021
Phase current IL R -    1 A = 1      -
    402039
Obj1 state       R -    Open=0,Close=1,Undef=2 -
    402042
Obj2 state       R -    Open=0,Close=1,Undef=2 -
    402043
Obj3 state       R -    Open=0,Close=1,Undef=2 -
    402044
Obj4 state       R -    Open=0,Close=1,Undef=2 -
    402045
Obj5 state       R -    Open=0,Close=1,Undef=2 -
    402046
    
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Obj6 state	402047	R -	Open=0,Close=1,Undef=2	-
Remote/Local State	402048	R W	REMOTE=0,LOCAL=1	-
Output relays	402049	R -	1 = 1	-
Obj7 state	402050	R -	Open=0,Close=1,Undef=2	-
Obj8 state	402051	R -	Open=0,Close=1,Undef=2	-
Run hours/10^0 to ModBus	402057	R -	1 = 1	-
Run hours/10^4 to ModBus	402058	R -	1 = 1	-
Engine running seconds	402059	R W	1 s = 1	-
Start counter	402060	R W	1 = 1	-
Events	402101...402105	R -	1 = 1	-
Last fault current	402110	R W	1.00 xIn = 100	-
Fault current	402111	R -	1.00 xIn = 100	-
Fault current	402112	R -	1.00 xIn = 100	-
Fault current	402113	R -	1.00 xIn = 100	-
Alarm L1..L3	402121	R -	1 = 1	-
Fault L1..L3	402122	R -	1 = 1	-
Diagnostic register 1	402191	R -	1 = 1	-
Diagnostic register 2	402192	R -	1 = 1	-
Diagnostic register 3	402193	R -	1 = 1	-
Diagnostic register 4	402194	R -	1 = 1	-
HARMONICS of IL1	402201...402216	R -	1 % = 1	-
HARMONICS of IL2	402221...402236	R -	1 % = 1	-
HARMONICS of IL3	402241...402256	R -	1 % = 1	-
HARMONICS of Ua	402301...402316	R -	1 % = 1	-
HARMONICS of Ub	402321...402336	R -	1 % = 1	-
HARMONICS of Uc	402341...402356	R -	1 % = 1	-
Reread event	402490...402494	R -	1 = 1	-

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Write items 402501->:

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Name	Access	Scaling	
Setting for scaling Address			

Release latches 402501	R W	Release=1	-
Synchronize minutes 402502	R W	1 = 1	-
Grp. 2 remote scaling 402503	R W	1 % = 1	-
Set RTC 402504...402507	- W	1 = 1	-
Open select Obj1 402508	R W	1 = 1	-
Close select Obj1 402509	R W	1 = 1	-
Execute operation Obj1 402510	- W	1 = 1	-
Max ctrl pulse length of Obj1 402511	R W	1.00 s = 100	-
Open select Obj2 402512	R W	1 = 1	-
Close select Obj2 402513	R W	1 = 1	-
Execute operation Obj2 402514	- W	1 = 1	-
Max ctrl pulse length of Obj2 402515	R W	1.00 s = 100	-
Cancel selected operation 402516	- W	1 = 1	-
Open select Obj3 402517	R W	1 = 1	-
Close select Obj3 402518	R W	1 = 1	-
Execute operation Obj3 402519	- W	1 = 1	-
Max ctrl pulse length of Obj3 402520	R W	1.00 s = 100	-
Open select Obj4 402521	R W	1 = 1	-
Close select Obj4 402522	R W	1 = 1	-
Execute operation Obj4 402523	- W	1 = 1	-
Max ctrl pulse length of Obj4 402524	R W	1.00 s = 100	-
Ambient temperature 402525	R W	1 °C = 1	-

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SetGrp common change      R W      1=0,2=1      -
  402526
Open select Obj5          R W      1 = 1      -
  402527
Close select Obj5         R W      1 = 1      -
  402528
Execute operation Obj5    - W      1 = 1      -
  402529
Max ctrl pulse length of Obj5 R W      1.00 s = 100  -
  402530
Open select Obj6          R W      1 = 1      -
  402531
Close select Obj6         R W      1 = 1      -
  402532
Execute operation Obj6    - W      1 = 1      -
  402533
Max ctrl pulse length of Obj6 R W      1.00 s = 100  -
  402534
Reset diagnostics         R W      RESET=1      -
  402535
Clear min & max           R W      Clear=1      -
  402536

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VS_MBSlave_403001:

MODBUS SLAVE: 403001->:

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Name                Access  Scaling
Setting for scaling Address

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Pos. sequence I1    R -      1 A = 1      -
  403001
Neg. sequence I2    R -      1 A = 1      -
  403002
Current -seq./+seq. R -      1.0 % = 10  -
  403003
Current phase seq.  R -      ??=0,OK=1,Reverse=2 -
  403004
Phase current THD   R -      1.0 % = 10  -
  403005
IL1 THD             R -      1.0 % = 10  -
  403006
IL2 THD             R -      1.0 % = 10  -
  403007
IL3 THD             R -      1.0 % = 10  -
  403008
Phase current IL    R -      1 A = 1      -
  403009

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Min. of IL1 IL2 IL3	R -	1 A = 1	-
403010			
Max. of IL1 IL2 IL3	R -	1 A = 1	-
403011			
Phase current ILRMS	R -	1 Arms = 1	-
403012			
Phase current IL1RMS	R -	1 Arms = 1	-
403015			
Phase current IL2RMS	R -	1 Arms = 1	-
403016			
Phase current IL3RMS	R -	1 Arms = 1	-
403017			
Temperature rise	R W	1.0 % = 10	-
403018			
Ambient temperature	R W	1 °C = 1	-
403019			
IL1da demand	R -	1 A = 1	-
403020			
IL2da demand	R -	1 A = 1	-
403021			
IL3da demand	R -	1 A = 1	-
403022			
IoCalc demand	R -	1.00 pu = 100	-
403023			
Io1 demand	R -	1.000 pu = 1000	-
403024			
Voltage THD	R -	1.0 % = 10	-
403035			
Ua THD	R -	1.0 % = 10	-
403036			
Ub THD	R -	1.0 % = 10	-
403037			
Uc THD	R -	1.0 % = 10	-
403038			

VS_MBSlave_403301:

MODBUS SLAVE: 403301->:

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Name	Address	Access	Scaling	
Setting for scaling				

DI1 counter	403301	R W	1 = 1	-
DI2 counter	403302	R W	1 = 1	-
Shot1 start counter	403331	R C	1 = 1	-

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Shot2 start counter	R C	1 = 1	-
403332			
Shot3 start counter	R C	1 = 1	-
403333			
Shot4 start counter	R C	1 = 1	-
403334			
Shot5 start counter	R C	1 = 1	-
403335			
AR start counter	R C	1 = 1	-
403336			
AR fail counter	R C	1 = 1	-
403337			
AR shot number	R -	1,2,3,4,5,END=6	-
403402			
Critical AR req.	R -	1 = 1	-
403403			
Reclose locked	R -	1 = 1	-
403404			
Reclose running	R -	1 = 1	-
403405			
Final trip	R -	1 = 1	-
403406			
Autoreclose on	R -	1 = 1	-
403407			
Timer 1 status	R W	0=1,1=2	-
403415			
Timer 2 status	R W	0=1,1=2	-
403416			
Timer 3 status	R W	0=1,1=2	-
403417			
Timer 4 status	R W	0=1,1=2	-
403418			
Logic output states 1...10	R -	1 = 1	-
403419			
CBWAlarm 1	R -	1 = 1	-
403420			
CBWAlarm 2	R -	1 = 1	-
403421			
Logic output states 9...16	R -	1 = 1	-
403422			
Logic output states 17...20	R -	1 = 1	-
403423			
Virtual outputs	R -	1 = 1	-
403426			
Virtual input 1	R W	0,1	-
403427			
Virtual input 2	R W	0,1	-
403428			
Virtual input 3	R W	0,1	-
403429			
Virtual input 4	R W	0,1	-
403430			
Logic Cntrl1	R -	1 = 1	-
403451			
Logic Cntrl2	R -	1 = 1	-

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Logic Cntr3	403452	R -	1 = 1	-
Logic Cntr4	403453	R -	1 = 1	-
Logic Cntr5	403454	R -	1 = 1	-
Logic Cntr6	403455	R -	1 = 1	-
	403456			

VS_MBSlave_404001:

MODBUS SLAVE: 404001->:

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Name	Access	Scaling	Setting
for scaling Address			

Minimum frequency	R W	50.000 Hz = 50000	-
404001			
Minimum of Io	R W	1.0 % = 10	-
404006			
Minimum of Io2	R W	1.0 % = 10	-
404007			
Minimum of IL1	R W	1 A = 1	-
404015			
Minimum of IL2	R W	1 A = 1	-
404016			
Minimum of IL3	R W	1 A = 1	-
404017			
RMS minimum of IL1	R W	1 Arms = 1	-
404018			
RMS minimum of IL2	R W	1 Arms = 1	-
404019			
RMS minimum of IL3	R W	1 Arms = 1	-
404020			
Minimum of IL1	R W	1 A = 1	-
404021			
Minimum of IL2	R W	1 A = 1	-
404022			
Minimum of IL3	R W	1 A = 1	-
404023			
RMS minimum of IL1	R W	1 Arms = 1	-
404024			
RMS minimum of IL2	R W	1 Arms = 1	-
404025			
RMS minimum of IL3	R W	1 Arms = 1	-
404026			
Maximum frequency	R W	50.000 Hz = 50000	-

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404101				
Maximum of Io	R W	1.0 % = 10		-
404106				
Maximum of Io2	R W	1.0 % = 10		-
404107				
Maximum of IL1	R W	1 A = 1		-
404115				
Maximum of IL2	R W	1 A = 1		-
404116				
Maximum of IL3	R W	1 A = 1		-
404117				
RMS maximum of IL1	R W	1 Arms = 1		-
404118				
RMS maximum of IL2	R W	1 Arms = 1		-
404119				
RMS maximum of IL3	R W	1 Arms = 1		-
404120				
Maximum of IL1	R W	1 A = 1		-
404121				
Maximum of IL2	R W	1 A = 1		-
404122				
Maximum of IL3	R W	1 A = 1		-
404123				
RMS maximum of IL1	R W	1 Arms = 1		-
404124				
RMS maximum of IL2	R W	1 Arms = 1		-
404125				
RMS maximum of IL3	R W	1 Arms = 1		-
404126				