NORGREN

IO-Link Interface Description - V1

VP60 Proportional Valve

IO-Link

IMI

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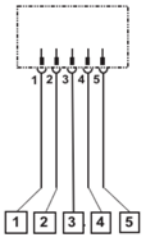
1. Device variant

VP60 Proportional Valve

DeviceName = "VP60"
DeviceFamily = "VP60"
ProductName = "VP60IOL"



1 +Vs, brown
2 2L+ (VA), white
3 Vs GND, blue
4 C/Q, black
5 2M (VA GND), grey

2. Communication Setup

Vendor ID	0x03AE
Device ID	0x1F72CA
COM Profile	COM3
min. Cycletime	5 ms
SIO mode compatible	no
Block Parameterisation	no
Remanent dataset	yes
Supported profiles	BLOB FW-Update
Support of IO-Link 1.0	yes

3. Relevant parameter list

Function / Name	Index	Sub- Index	Access	Data-Type
Vendor Name	16	0	ro	StringT [64]
Vendor Text	17	0	ro	StringT [64]
Product Name	18	0	ro	StringT [64]
Product ID	19	0	ro	StringT [64]
Product Text	20	0	ro	StringT [64]
Serial Number	21	0	ro	StringT [16]
Hardware Revision	22	0	ro	StringT [64]
Firmware Revision	23	0	ro	StringT [64]
Function Tag	25	0	rw	StringT [32]
Location Tag	26	0	rw	StringT [32]
Specific Parameters:				
Function Mode	64	0	rw	UIntegerT_16
Statusbit Polarity	65	0	rw	BooleanT
Zero-Offset	66	0	rw	IntegerT_16
CPU Temperature	67	0	ro	UIntegerT_16
Piston Moves Counter	68	0	ro	UIntegerT_16
Curr.consumtion VA averg.	69	0	ro	UIntegerT_16
Error Byte Mirror	70	0	ro	UIntegerT_16
Parameter Address	100	0	rw	IntegerT_16
Parameter Value	101	0	rw	IntegerT_16
Parameter Option	102	0	rw	UIntegerT_32
Minutes from power-up	103	0	ro	IntegerT_32
Operating Hours	104	0	ro	IntegerT_32

4. Process Data I/O

Name	Description	ByteMask	Datatype	Bitoffset	Range	Scaling
PDO (16 bit)						
Setpoint VP60	Setpoint Valve-Function	BB	UInteger	0	0 - 2047	-
PDI (24 bit)						
Actual Value VP60	Actual valve piston position	x-BB	UInteger	0	0 - 2047	-
Statusbyte	Status-Byte VP60	B-xx	UInteger	16	0 - 255	-
Interpretation of status byte		**Bit-Mask**				
V_A supply voltage out of range	V_A supply is out of range	0bXXXX-XXXb	byte	0	false/true	-
High current of valve actuator	Anormal current consumption of the actuator system	0bXXXX-XXbX	byte	1	false/true	-
Actuator out of position	Actuator system out of position / controller out of range	0bXXXX-XbXX	byte	2	false/true	-
V_S supply voltage out of range	V_S supply is out of range	0bXXbX-XXXX	byte	5	false/true	-

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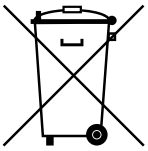

Disposal of this product is regulated by the EU WEEE Directive for waste electrical and electronic equipment. Dispose of the product properly and not as part of the normal waste stream.

Observe the regulations of the respective country. Information can be obtained from the national authorities.

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Due to our policy of continuous development, Norgren reserve the right to change specifications without prior notice.

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