

## Touch panel, 24 V DC, 5.7z, TFTcolor, ethernet, RS232, RS485, CAN, PLC



 Part no.
 XV-152-D6-57TVRC-10

 Article no.
 150529

 Catalog No.
 XV-152-D6-57TVRC-10

	ery			

Frontion  Common features of the model series  Function  Common features of the model series  Resolution  Display - Type  Touch - technology  Number of colours  Resolution  Portrait format  Screen diagonal  Operating system  PUC-licence  Uisence  Uisence or unboard interfaces  built-in interfaces  built-in interfaces  built-in interfaces  Front type  Front type  Front type  Front type  Memory card automation  Memory card automation  Fluggable communication cards (optional)  Fluggable car	benvery program		
Function  Common features of the model series  Color display, Type  Color display, TFT  Touch-technology  Number of colours  Resolution  Resolution  Pixel  Yes  Color display, TFT  Color display, TFT  Color display, TFT  Resistive-Touch  8 seistive-Touch  8 4 k Colours  Resolution  Pixel  Yes  Corea display, TFT  Resolution  Pixel  Yes  Color display, TFT  Resistive-Touch  8 4 k Colours  Resolution  Pixel  Yes  Colours  Resolution  Pixel  Yes  Colours  Resolution  Pixel  Yes  Windows CE 5.0 (licence inct.)  Pixel interfaces  Windows CE 5.0 (licence inct.)  Pixel  Not required  Not req	Product range		XV150 5.7"
Common features of the model series     Ethernet interface USB device USB device USB Host Slot for SD card Slo	Product range		XV-152
Signature of Signa	Function		HMIC-PLC (PLC integrated)
Touch-technology  Number of colours  Resolution  Portrait format  Screen diagonal  Model  Operating system  PUC-licence  License certificates for onboard interfaces  built-in interfaces  built-in interfaces  Front type  Cutilization  Front type  Utilization  Slots  Memory card automation  Plugable communication cards (optional)  Touch sensor  Resistive-Touch  64 k Colours  65 Metal enclosure and front plate  96 Wetal enclosure and front plate  97 Windows CE 5.0 (licence incl.)  98 Not required  98 Not required  98 Not required  1 x Ethernet 10/100 Mbps  1 x RS232  1 x RS495  1 x RS495  1 x RS495  1 x RS495  1 x USB host 2.0  1 x USB dovice  1 x CANopen®/sasyNet  Flush mounting  Slots  Memory card automation  Pluggable communication cards (optional)  1 optionally with SD card -> article no. 139807  Pluggable communication cards (optional)  1 optionally with SD card -> article no. 139807	Common features of the model series		USB device USB Host Slot for SD card
Number of colours  Resolution  Pixel 64 k Colours  Resolution  Pixel VGA 640 x 490  Portrait format  Pixel VGA 640 x 490  Portrait format Pixel VGA 640 x 490  Portrait format Pixel VGA 640 x 490  Portrait format Pixel VGA 640 x 490  Portrait format Pixel VGA 640 x 490  Portrait format Pixel VGA 640 x 490  Portrait format Pixel VGA 640 x 490  Poth Call Call Call Call Call Call Call Cal	Display - Type		Color display, TFT
Resolution Pixel VGA 640 x 480  Portrait format yes  Screen diagonal Inch 5.7  Model Metal enclosure and front plate Operating system Windows CE 5.0 (licence incl.)  PLC-licence License certificates for onboard interfaces Windows CE 5.0 (licence incl.)  PLC-license certificates for onboard interfaces Not required  built-in interfaces In x Ethernet 10/100 Mbps 1 x RS232 1 x RS485 1 x USB device 1 x CANopen@/easyNet  Front type Standard front with standard membrane (fully enclosed)  Utilization Front end automation Front automation Front end automation Optionally with SD card -> article no. 139807  Pluggable communication cards (optional)  Touch sensor Bright Standard front with film	Touch-technology		Resistive-Touch
Portrait format  Screen diagonal  Model  Operating system  Operating system  PLC-licence  License certificates for onboard interfaces  Duilt-in interfaces  License certificates  Duilt-in interfaces  License certificates  Duilt-in interfaces  License certificates  Duilt-in interfaces  License certificates  Duilt-in interfaces  Duilt-in interfac	Number of colours		64 k Colours
Screen diagonal  Model  Metal enclosure and front plate  Mindows CE 5.0 (licence incl.)  PLC-licence  License certificates for onboard interfaces  built-in interfaces  License certificates  Most required  Not required  Not required  1 x Ethernet 10/100 Mbps 1 x RS232 1 x RS245 1 x USB device 1 x CANopen®/easyNet  Front type  Standard front with standard membrane (fully enclosed)  Utilization  Slots  Memory card automation  Memory card automation  Pluggable communication cards (optional)  Touch sensor  Metal enclosure and front plate  Windows CE 5.0 (licence incl.)  Not required  1 x Ethernet 10/100 Mbps 1 x RS232 1 x RS232 1 x RS232 1 x RS232 1 x RS245 1 x USB device 1 x CANopen®/easyNet  Flush mounting  for SD card: 1  Optionally with SD card -> article no. 139807  no  Touch sensor  Glass with film	Resolution	Pixel	
Model Metal enclosure and front plate  Operating system Windows CE 5.0 (licence incl.)  PLC-licence  License certificates for onboard interfaces  built-in interfaces  built-in interfaces  License certificates for onboard interfaces  built-in interfaces  built-in interfaces  License certificates for onboard interfaces  Not required  1 x Ethernet 10/100 Mbps 1 x RS232 1 x RS485 1 x USB host 2.0 1 x USB device 1 x CANopen@/easyNet  Front type  Standard front with standard membrane (fully enclosed)  Utilization  Flush mounting  Slots  Memory card automation  Pluggable communication cards (optional)  Pluggable communication cards (optional)  Touch sensor  Metal enclosure and front plate  Windows CE 5.0 (licence incl.)  PLC licence inclusive  Not required  PLC licence inclusive  Not required  1 x Ethernet 10/100 Mbps 1 x RS232 1 x RS485 1 x USB device 1 x CANopen@/easyNet  Standard front with standard membrane (fully enclosed)  Flush mounting  Gracy 1  Optionally with SD card -> article no. 139807  no  Glass with film	Portrait format		yes
Operating system       Windows CE 5.0 (licence incl.)         PLC-licence       PLC licence inclusive         License certificates for onboard interfaces       Not required         built-in interfaces       1 x Ethernet 10/100 Mbps 1 x RS232 1 x RS232 1 x RS232 1 x USB host 2.0 1 x USB host 2.0 1 x USB device 1 x CANopen®/easyNet         Front type       Standard front with standard membrane (fully enclosed)         Utilization       Flush mounting         Slots       for SD card: 1         Memory card automation       Optionally with SD card -> article no. 139807         Pluggable communication cards (optional)       no         Touch sensor       Glass with film	Screen diagonal	Inch	5.7
PLC licence       PLC licence inclusive         License certificates for onboard interfaces       Not required         built-in interfaces       1 x Ethernet 10/100 Mbps 1 x RS232 1 x RS485 1 x USB host 2.0 1 x USB device 1 x CANopen®/easyNet         Front type       Standard front with standard membrane (fully enclosed)         Utilization       Flush mounting         Slots       for SD card: 1         Memory card automation       Optionally with SD card -> article no. 139807         Pluggable communication cards (optional)       no         Touch sensor       Glass with film	Model		Metal enclosure and front plate
License certificates for onboard interfaces  built-in interfaces  1 x Ethernet 10/100 Mbps 1 x RS232 1 x RS485 1 x USB host 2.0 1 x USB device 1 x CANopen®/easyNet  Front type  Standard front with standard membrane (fully enclosed)  Utilization  Flush mounting  Slots  for SD card: 1  Memory card automation  Pluggable communication cards (optional)  Touch sensor  Not required  1 x Ethernet 10/100 Mbps 1 x RS232 1 x RS485 1 x USB host 2.0 1 x USB device 1 x CANopen®/easyNet  Standard front with standard membrane (fully enclosed)  Flush mounting  for SD card: 1  Optionally with SD card -> article no. 139807  no  Glass with film	Operating system		Windows CE 5.0 (licence incl.)
built-in interfaces 1 x Ethernet 10/100 Mbps 1 x RS232 1 x RS232 1 x RS485 1 x USB host 2.0 1 x USB device 1 x CANopen®/easyNet  Front type Standard front with standard membrane (fully enclosed)  Utilization Flush mounting  Slots for SD card: 1  Memory card automation  Pluggable communication cards (optional)  Touch sensor Glass with film	PLC-licence PLC-licence		PLC licence inclusive
1 x RS232 1 x RS485 1 x USB host 2.0 1 x USB device 1 x CANopen®/easyNet  Front type  Standard front with standard membrane (fully enclosed)  Utilization  Flush mounting  For SD card: 1  Memory card automation  Pluggable communication cards (optional)  Touch sensor  I x RS232 1 x RS485 1 x USB host 2.0 1 x USB device 1 x CANopen®/easyNet  Standard front with standard membrane (fully enclosed)  Flush mounting  for SD card: 1  Optionally with SD card -> article no. 139807  no  Glass with film	License certificates for onboard interfaces		Not required
Utilization     Flush mounting       Slots     for SD card: 1       Memory card automation     Optionally with SD card -> article no. 139807       Pluggable communication cards (optional)     no       Touch sensor     Glass with film	built-in interfaces		1 x RS232 1 x RS485 1 x USB host 2.0 1 x USB device
Slots for SD card: 1  Memory card automation Optionally with SD card -> article no. 139807  Pluggable communication cards (optional) no  Touch sensor Glass with film	Front type		Standard front with standard membrane (fully enclosed)
Memory card automation Optionally with SD card -> article no. 139807  Pluggable communication cards (optional) no Touch sensor Glass with film	Utilization		Flush mounting
Pluggable communication cards (optional) no Touch sensor Glass with film	Slots		for SD card: 1
Touch sensor Glass with film	Memory card automation		Optionally with SD card -> article no. 139807
	Pluggable communication cards (optional)		no
Heat dissipation W 9.5	Touch sensor		Glass with film
	Heat dissipation	W	9.5

# Technical data

Internal memory

i Guillivai uata		
Display		
Display - Type		Color display, TFT
Screen diagonal	Inch	5.7
Resolution	Pixel	VGA 640 x 480
Visible screen area	mm	115 x 86
Number of colours		64 k Colours
Contrast ratio (Normally)		Normally 300:1
Brightness	cd/m <sup>2</sup>	Normally 250
Back-lighting		LED dimmable via software
Service life of back-lighting	h	Normally 40000
Resistive touch protective screen		Touch sensor (glass with foil)
Operation		
Technology		Resistive-Touch 4 wire
Touch sensor		Glass with film
System		
Processor		RISC CPU. 32 Bit. 400 MHz

DRAM (OS, Program and data memory): 64 MByte NAND-Flash (can be used for data backup): approx. 64 MByte available NVRAM (Retain data): 125 kByte

			NOR-Flash: 2 MByte
External memory			SD Memory Card Slot: SDA Specification 1.00
Cooling			Fanless CPU and system cooling, natural convection-based passive cooling
Back-up of real-time clock			
Battery (service life)			CR 2032 (190 mA/h), zero maintenance (soldered)
Backup (time at zero voltage)			Normally 10 years
Operating system			Windows CE 5.0 (licence incl.)
Engineering			
Visualisation software			GALILEO EPAM XSOFT-CODESYS-2 XSOFT-CODESYS-3
PLC-Programming software			XSOFT-CODESYS-2 XSOFT-CODESYS-3
Interfaces, communication			
built-in interfaces			1 x Ethernet 10/100 Mbps 1 x RS232 1 x RS485 1 x USB host 2.0 1 x USB device 1 x CANopen®/easyNet
PLC-licence			PLC licence inclusive
USB device			USB 2.0, not galvanically isolated
Slots			for SD card: 1
Ethernet			100Base-TX/10Base-T
Power supply			
Nominal voltage			24 V DC SELV (safety extra low voltage)
permissible voltage			Effective: 19.2-30.0 V DC (rated operating voltage -20%/+25%) Absolute with ripple: 18,0-31,2 V DC Battery powered: 18,0-31,2 V DC (rated operating voltage -25%/+30%) 35 V DC for a duration of < 100 ms
Voltage dips		ms	≤ 10 ms from rated voltage (24 V DC) 5 ms from undervoltage (19.2 V DC)
Power consumption	P <sub>max</sub> .	W	7
Note on power consumption			Basic device USB Slave to USB Host: 2.5 Total: 9.5
Heat dissipation		W	9.5
Note on heat dissipation			Heat dissipation with power consumption for 24 V 7 W for basic device + 2.5 W for USB module
Current consumption	I	Α	Continuous current = 0.4 (24 V DC)
Siemens MPI, (optional)			yes
Type of fuse			Yes (fuse not accessible)
Potential isolation			no potential isolation
General Housing material			Metal, anodized
Front type			Standard front with standard membrane (fully enclosed)
Dimensions (W x H x D)		mm	212 x 198 x 54
flush mounted			Clearance: W x H x D ≥ 30 mm (1.18") Inclination from vertical: ±45° (if using natural convection)
Weight		kg	1.25
Degree of protection (IEC/EN 60529, EN50178, VBG 4)		3	IP65 (at front), IP20 (at rear) Enclosure Type 4X (Indoor use only)
Approvals			
Approvals			cUL (UL508)
Explosion protection (according to ATEX 94/9/EC)			II 3D Ex II T70°C IP5x: Zone 22, Category 3D
Applied standards and directives			
EMC Product standards			(in relation to CE) EN 61000-6-2 EN 61000-6-4 EN 61131-2 EN 50178
Security			EN 61131-2 EN 60950
Chardanda			UL 60950
Standards			Explosion protection (relevant for CE)

		ATEX 94/9/EG: Zone 22, Category 3D (II 3D Ex tc IIIC T70°C IP6x): IEC/EN 60079-0 IEC/EN 61241-0 IEC/EN 61241-1 Security: IEC/EN 60950 UL 508 Product standards: EN 50178 IEC/EN 61131-2 EMC /relevant for CE): IEC/EN 61000-6-2 IEC/EN 61000-6-4 IEC/EN 61000-6-3
Mechanical shock resistance	g	according to IEC 60068-2-27
Vibration		according to IEC/EN 60068-2-6
RoHS		conform

#### **Environmental conditions**

Temperature			
Operation	θ	°C	0 - +50
Storage / Transport	θ	°C	-20 - +60
Operating ambient temperature min.		°C	0
Operating ambient temperature max.		°C	+ 50
Relative humidity			
Relative humidity			IEC/EN 50178 10 - 95%, non-condensing

## Supply voltage U<sub>Aux</sub>

Rated operational voltage	$U_{Aux}$	V	24 V DC (-20/+25%)
Protection against polarity reversal			Yes
Potential isolation			No

# Supply voltage U<sub>Pow</sub>

Supply voltage	$U_{Pow}$	V	24 DC -20 % + 25 %
Siemens MPI, (optional)			yes
Inrush current and duration		Α	12.5 A/6 ms

#### Design verification as per IEC/EN 61439

Technical data for design verification			
Rated operational current for specified heat dissipation	In	Α	0
Heat dissipation per pole, current-dependent	P <sub>vid</sub>	W	0
Equipment heat dissipation, current-dependent	P <sub>vid</sub>	W	0
Static heat dissipation, non-current-dependent	P <sub>vs</sub>	W	9.5
Heat dissipation capacity	P <sub>diss</sub>	W	0
Operating ambient temperature min.		°C	0
Operating ambient temperature max.		°C	50
IEC/EN 61439 design verification			
10.2 Strength of materials and parts			
10.2.2 Corrosion resistance			Meets the product standard's requirements.
10.2.3.1 Verification of thermal stability of enclosures			Meets the product standard's requirements.
10.2.3.2 Verification of resistance of insulating materials to normal heat			Meets the product standard's requirements.
10.2.3.3 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects			Meets the product standard's requirements.
10.2.4 Resistance to ultra-violet (UV) radiation			Please enquire
10.2.5 Lifting			Does not apply, since the entire switchgear needs to be evaluated.
10.2.6 Mechanical impact			Does not apply, since the entire switchgear needs to be evaluated.
10.2.7 Inscriptions			Meets the product standard's requirements.
10.3 Degree of protection of ASSEMBLIES			Meets the product standard's requirements.
10.4 Clearances and creepage distances			Meets the product standard's requirements.
10.5 Protection against electric shock			Does not apply, since the entire switchgear needs to be evaluated.
10.6 Incorporation of switching devices and components			Does not apply, since the entire switchgear needs to be evaluated.
10.7 Internal electrical circuits and connections			Is the panel builder's responsibility.
10.8 Connections for external conductors			Is the panel builder's responsibility.

10.9 Insulation properties	
10.9.2 Power-frequency electric strength	Is the panel builder's responsibility.
10.9.3 Impulse withstand voltage	Is the panel builder's responsibility.
10.9.4 Testing of enclosures made of insulating material	Is the panel builder's responsibility.
10.10 Temperature rise	The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
10.11 Short-circuit rating	Is the panel builder's responsibility.
10.12 Electromagnetic compatibility	Is the panel builder's responsibility.
10.13 Mechanical function	The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.

### **Technical data ETIM 6.0**

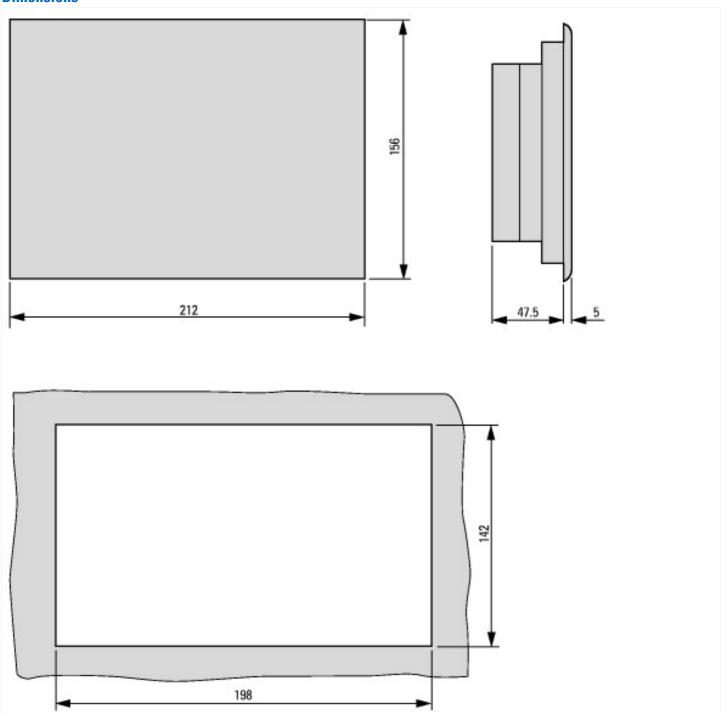
PLC's (EG000024) / Graphic panel (EC001412)		
Electric engineering, automation, process control engineering / Control / Operate an	nd Observe (HMI) / Gr	raphic panel (HMI) (ecl@ss8.1-27-24-23-02 [BAA722010])
Supply voltage AC 50 Hz	V	0 - 0
Supply voltage AC 60 Hz	V	0 - 0
Supply voltage DC	V	20.4 - 28.8
Voltage type of supply voltage		DC
Number of HW-interfaces industrial Ethernet		1
Number of HW-interfaces PROFINET		0
Number of HW-interfaces RS-232		1
Number of HW-interfaces RS-422		0
Number of HW-interfaces RS-485		1
Number of HW-interfaces serial TTY		0
Number of HW-interfaces USB		2
Number of HW-interfaces parallel		0
Number of HW-interfaces Wireless		0
Number of HW-interfaces other		1
With SW interfaces		Yes
Supporting protocol for TCP/IP		Yes
Supporting protocol for PROFIBUS		No
Supporting protocol for CAN		Yes
Supporting protocol for INTERBUS		No
Supporting protocol for ASI		No
Supporting protocol for KNX		No
Supporting protocol for MODBUS		Yes
Supporting protocol for Data-Highway		No
Supporting protocol for DeviceNet		No
Supporting protocol for SUCONET		No
Supporting protocol for LON		No
Supporting protocol for PROFINET IO		No
Supporting protocol for PROFINET CBA		No
Supporting protocol for SERCOS		No
Supporting protocol for Foundation Fieldbus		No
Supporting protocol for EtherNet/IP		Yes
Supporting protocol for AS-Interface Safety at Work		No
Supporting protocol for DeviceNet Safety		No
Supporting protocol for INTERBUS-Safety		No
Supporting protocol for PROFIsafe		No
Supporting protocol for SafetyBUS p		No
Supporting protocol for other bus systems		Yes
Radio standard Bluetooth		No
Radio standard WLAN 802.11		No
Radio standard GPRS		No
Radio standard GSM		No
Radio standard UMTS		No

10 link master		No
Type of display		TFT
With colour display		Yes
Number of colours of the display		65536
Number of grey-scales/blue-scales of display		0
Screen diagonal	inch	5.7
Number of pixels, horizontal		640
Number of pixels, vertical		480
Useful project memory/user memory	kByte	64000
With numeric keyboard		Yes
With alpha numeric keyboard		Yes
Number of function buttons, programmable		0
Number of buttons with LED		0
Number of system buttons		1
With touch screen		Yes
With message indication		Yes
With message system (incl. buffer and confirmation)		Yes
Process value representation (output) possible		Yes
Process default value (input) possible		Yes
With recipes		Yes
Number of password levels		200
Printer output available		Yes
Number of online languages		100
Additional software components, loadable		Yes
Degree of protection (IP), front side		IP65
Operation temperature	°C	0 - 50
Rail mounting possible		No
Wall mounting/direct mounting		No
Suitable for safety functions		No
Width of the front	mm	212
Height of the front	mm	156
Built-in depth	mm	47

# Approvals

Product Standards	UL508, cULus; IEC/EN 61131-2, CE
UL File No.	E205091
UL Category Control No.	NRAQ
CSA File No.	UL report applies to US and Canada
CSA Class No.	·
North America Certification	UL listed, certified by UL for use in Canada
Current Limiting Circuit-Breaker	No
Degree of Protection	IEC:IP20, UL/CSA Tape: open type

## **Dimensions**



# **Additional product information (links)**

04802005Z Beipack-Informationen  ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL04802005Z2013_10.pdf  IN04802006Z Operator manual XV-152  IN04802006Z Betriebsanleitung XV-152 - eutsch  ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN04802006Z_DE.pdf  ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN04802006Z_EN.pdf  IN04802013Z quick-start instructions XV100  IN04802013Z Schnellstartanleitung XV100 - eutsch  IN04802013Z quick-start instructions XV100 - ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN04802013Z_DE.pdf  IN04802013Z quick-start instructions XV100 - ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN04802013Z_EN.pdf  IN04802091Z User manual XSoft-CoDeSys-2, PLC programming XV100  IN04802091Z Benutzerhandbuch XSoft- pDeSys-2, SPS-Programmierung XV100 -  ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN04802091Z-DE.pdf	<del>_</del>		
04802005Z Beipack-Informationen ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL04802005Z2013_10.pdf IN04802006Z Operator manual XV-152 - eutsch ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN04802006Z_DE.pdf IN04802013Z quick-start instructions XV100 - ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN04802006Z_EN.pdf IN04802013Z Schnellstartanleitung XV100 - eutsch ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN04802013Z_DE.pdf IN04802013Z quick-start instructions XV100 - ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN04802013Z_EN.pdf IN04802013Z quick-start instructions XV100 - ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN04802013Z_EN.pdf IN04802091Z User manual XSoft-CoDeSys-2, PLC programming XV100 IN04802091Z Benutzerhandbuch XSoft- pDeSys-2, SPS-Programmierung XV100 - IN04802091Z Benutzerhandbuch XSoft- pDeSys-2, SPS-Programmierung XV100 -	IL04802006Z Enclosed Kit Information		
IN04802006Z Operator manual XV-152 - eutsch  ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN04802006Z_DE.pdf  ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN04802006Z_EN.pdf  ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN04802006Z_EN.pdf  IN04802013Z quick-start instructions XV100 - eutsch  ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN04802013Z_DE.pdf  ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN04802013Z_DE.pdf  iN04802013Z quick-start instructions XV100 - ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN04802013Z_EN.pdf  iN04802091Z User manual XSoft-CoDeSys-2, PLC programming XV100  ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN04802091Z-DE.pdf  ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN04802091Z-DE.pdf	IL04802006Z Enclosed Kit Information	ftp://ftp.moeller.net/D0CUMENTATION/AWA_INSTRUCTIONS/IL04802006Z2013_03.pdf	
tp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN04802006Z_DE.pdf eutsch  ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN04802006Z_DE.pdf  ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN04802006Z_EN.pdf  iN04802013Z quick-start instructions XV100  ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN04802013Z_DE.pdf  iN04802013Z quick-start instructions XV100 - ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN04802013Z_EN.pdf  iN04802013Z quick-start instructions XV100 - ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN04802013Z_EN.pdf  iN04802091Z User manual XSoft-CoDeSys-2, PLC programming XV100  ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN04802091Z-DE.pdf  ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN04802091Z-DE.pdf	IL04802005Z Beipack-Informationen	ftp://ftp.moeller.net/D0CUMENTATION/AWA_INSTRUCTIONS/IL04802005Z2013_10.pdf	
ttp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN04802006Z_EN.pdf  ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN04802006Z_EN.pdf  iN04802013Z quick-start instructions XV100 - ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN04802013Z_DE.pdf  ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN04802013Z_EN.pdf  iN04802013Z quick-start instructions XV100 - ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN04802013Z_EN.pdf  iN04802091Z User manual XSoft-CoDeSys-2, PLC programming XV100  ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN04802091Z-DE.pdf  ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN04802091Z-DE.pdf	MN04802006Z Operator manual XV-152		
IN04802013Z quick-start instructions XV100 IN04802013Z Schnellstartanleitung XV100 - eutsch IN04802013Z quick-start instructions XV100 - ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN04802013Z_DE.pdf IN04802013Z quick-start instructions XV100 - ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN04802013Z_EN.pdf inglish IN04802091Z User manual XSoft-CoDeSys-2, PLC programming XV100 IN04802091Z Benutzerhandbuch XSoft- pDeSys-2, SPS-Programmierung XV100 -  ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN04802091Z-DE.pdf	MN04802006Z Betriebsanleitung XV-152 - Deutsch	ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN04802006Z_DE.pdf	
IN04802013Z Schnellstartanleitung XV100 - eutsch  ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN04802013Z_DE.pdf  ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN04802013Z_EN.pdf  ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN04802013Z_EN.pdf  in04802091Z User manual XSoft-CoDeSys-2, PLC programming XV100  ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN04802091Z-DE.pdf  ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN04802091Z-DE.pdf	MN04802006Z Operator manual XV-152 - English	ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN04802006Z_EN.pdf	
eutsch IN04802013Z quick-start instructions XV100 - Inglish IN04802091Z User manual XSoft-CoDeSys-2, PLC programming XV100 IN04802091Z Benutzerhandbuch XSoft- IN04802091Z Ben	MN04802013Z quick-start instructions XV100		
IN04802091Z User manual XSoft-CoDeSys-2, PLC programming XV100 IN04802091Z Benutzerhandbuch XSoft- oDeSys-2, SPS-Programmierung XV100 -  ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN04802091Z-DE.pdf	MN04802013Z Schnellstartanleitung XV100 - Deutsch	ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN04802013Z_DE.pdf	
IN04802091Z Benutzerhandbuch XSoft- oDeSys-2, SPS-Programmierung XV100 - ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN04802091Z-DE.pdf	MN04802013Z quick-start instructions XV100 - English	ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN04802013Z_EN.pdf	
oDeSys-2, SPS-Programmierung XV100 -	MN04802091Z User manual XSoft-CoDeSys-2, PLC programming XV100		
	MN04802091Z Benutzerhandbuch XSoft- CoDeSys-2, SPS-Programmierung XV100 - Deutsch	ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN04802091Z-DE.pdf	

MN04802091Z User manual XSoft-CoDeSys-2, PLC programming XV100 - English	ftp://ftp.moeller.net/D0CUMENTATION/AWB_MANUALS/MN04802091Z-EN.pdf	
MN048008ZU Manual XSOFT-CODESYS-3, PLC programming		
MN048008ZU Handbuch XSOFT-CODESYS-3, SPS-Programmierung - Deutsch	ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN048008ZU_DE.pdf	
MN048008ZU Manual XSOFT-CODESYS-3, PLC programming - English	ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN048008ZU_EN.pdf	