elrest®
INNOVATION FOR AUTOMATION

● PCAP Touch ● Control panel ● Web configuration

Specification		
Graphic display		QVGA 5,7" TFT LCD, 320 x 240 pixel, 262 k colours
Graphic display	optional	VGA 5,7" TFT LCD, 640 x 480 Pixel, 262 k Farben
Input		PCAP touch screen (cover glass)
Memory		1GB DDR3 RAM; 4GB eMMC onboard
Processor		ultra low power Freescale ARM® Cortex™ A9 Single Core 800 MHZ
	optional	ultra low power Freescale ARM® Cortex™ A9 Dual Core 800 MHZ
	optional	ultra low power Freescale ARM® Cortex™ A9 Quad Core 800 MHZ
Data buffering		RTC via Goldcap, 5 days buffering time
	optional	battery buffered

Software		
Operating system		Linux
C and C++ programming		GNU Compiler Collection
PLC programming		IEC 61131-3, CODESYS V3.5
HMI programming		eDESIGN
	optional	CODESYS V3.5 TargetVius und/oder WebVisu

Interface		
Ethernet		2 x 100/1000BASE-T, RJ45
Field bus interface		1 x CAN acc. ISO 11898 with galvanic isolation, RJ45
	optional	1 x CAN acc. ISO 11898 with galvanic isolation, D-Sub-9 plug
Serial interface		1 x RS-232 with galvanic isolation, D-Sub-9 plug
	optional	1 x RS-232 and RS-422/RS-485 with galvanic isolation, D-Sub-9 plug
USB		1 x 2.0 Host, type A
Audio	optional	Beeper, optional: Line IN, Line OUT

Order-No.:		
24A71.xxxx		PMC505/QVGA/P/2/P/elrest-AL
24A71.xxxx		PMC505V/VGA/P/2/P/elrest-AL

Environment/mechanical values

Supply voltage	24 V DC (18 V…30 V), 6 W…10 W
Power consumption (duration/start-up)	0,35 A / 0,56 A
Housing	Metal housing, glass
IP Rating	Front IP54, Back IP20 acc. EN 60529
Mounting	Front panel mounting
Outer dimension in mm (W x H x D) approx.	208 x 150 x 35
Cutout in mm (W x H) approx.	196 x 136
Weight approx.	750 g
Operating temperature	0 °C…45 °C
Storage temperature	-20 °C...70 °C
Relative humidity for operation	10%...85% non-condensing
Relative humidity for storage	5%...85% non-condensing

Standards

Product standard	
	EN 61000-6-2:2015
	EN 61000-6-3:2011

Accessory

Mounting material	1 x MB225-8 terminal block set
	Number of the terminal blocks per device: 4 pieces
Battery	1 x VARTA CR1/2 AA 3 V Lithium

E601014-1.3

Do you have questions, requests or suggestions?
You can in-deptht comprehensive information about elrest on our website: www.elrest.de
Your direct line to elrest: +49 (0) 7021-92025-0
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