



Technical Data

Traffic Controller *ACTROS*

Housing

Standard cabinet with / without ESC element	size 1, 2, 3 according to DIN 43629 part 1, IP44
ESC element	according to TAB 2000, IP54

Control Electronics

Max. number of signal groups	64
Max. number of lamp outputs	192
Number of lamp outputs per circuit board	24
Max. number of I/Os	144
Number of I/Os per I/O-card	16 inputs, 8 outputs
Control technology	Fixed time program, clock control, signal-group- and phase-oriented traffic-dependent control, coordinated cutoff-control, control kernels as VS-Plus
Communication options / interfaces	OCIT, BVS-SB12, BVS-SB15
Operation	Integrated display with operation functions, control via web browser, PC service tool
System cycle time	1 s, 500 ms
Signal sequence	all signal sequences programmable
Startup and shutdown program	freely programmable signal sequences, standard according to RiLSA
Data supply	LISA+ or manual programming in Java and XML
Public transport priority	R09 telegrams according to standard VÖV 04.05.1

Safety Technology

Signal fault prevention	Construction in failure-proof technology, power and voltage monitoring of all lamp outputs, detection and control of all risky and incorrect signal conditions according to DIN VDE 0832 part 100 and RiLSA
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Electrical Specifications

Max. power consumption (without lamp output)	typ. 50 VA, max. 300 W
Mains voltage	230 V (-15 ... +10%)
Mains frequency	50 Hz (-5 ... +5%)
Allowed lamp voltage	10 V / 40 V (OCIT-LED compliant) / 230 V
Lamp output per signal output	12 W - 460 W at 230 V and 10 V 3 W - 40 W at 40 V LED signal heads
Max. lamp output per signal output	460 W resp. 2 A
Max. lamp output per traffic controller	3,000 W

ACTROS line: Characteristics of decentralized Technology

Max. number of independent bus lines	24
Max. number of control modules per bus line	15
Number of lamp outputs per decentralized circuit board	6
Number of inputs per decentralized circuit board	4
Max. length of bus line	600 m
Lamp types	10.5 V / 10 W up to 30 W

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