

1. DM435

1.1 Order data

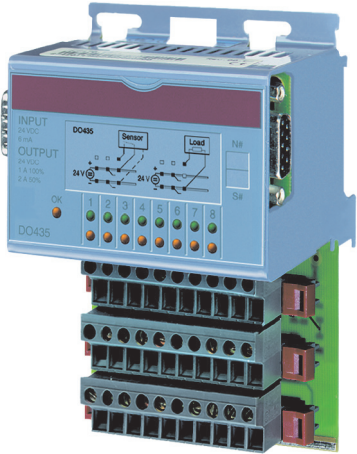
Model number	Short description	Figure
7DM435.7	2003 digital mixed module, 8 inputs 24 VDC, 1 ms, sink/source, 8 transistor outputs 24 VDC, 0.5 A, order terminal blocks separately!	
7TB710.9	Terminal block, 10-pin, screw clamps	
7TB710.91	Terminal block, 10-pin, cage clamps	
7TB722.9	2003 terminal block, 22-pin, screw clamps	
7TB722.91	2003 terminal block, 22-pin, cage clamps	
7TB733.9	2003 terminal block, 33-pin, screw clamps	
7TB733.91	2003 terminal block, 33-pin, cage clamps	
Terminal blocks are not included in the delivery.		

Table 1: DM435 - Order data

1.2 Technical data

Product ID	DM435
General information	
C-UL-US listed	Yes
B&R ID code	\$E3
Module type	B&R 2003 I/O module
Number	
CP430, EX270	4
CP470, CP770, CP474, CP476, CP774	8
EX470, EX770 EX477, EX777	8
Voltage and Output Monitoring (LED: OK)	Yes
	Supply voltage >18 V, outputs OK
Power consumption	Max. 0.5 W

Table 2: DM435 - Technical data

Digital Mixed Module DM435

Product ID	DM435
Inputs	
Number of inputs	8
Wiring	Sink or source
Input voltage Minimum Rated Maximum	18 VDC 24 VDC 30 VDC
Switching threshold Low High	<5 V >15 V
Input delay	Max. 1 ms
Input current at rated voltage	Approx. 8 mA
Electrical isolation	Input - PLC
Outputs	
Number of outputs	8
Type	Highside driver IC (transistor)
Switching voltage Minimum Rated Maximum	18 VDC 24 VDC 30 VDC
Continuous current per Output Module	Max. 0.5 A Max. 4 A
Leakage current when switched off	12 µA
Overload protection	Yes
Permanent short circuit current	Typ. 4 A
Internal protective circuit	Yes
Braking voltage when switching off inductive loads	47 V
Switching delay log. 0 - log. 1 log. 1 - log. 0	Max. 450 µs Max. 450 µs
Electrical isolation	Output - PLC
Mechanical characteristics	
Dimensions	B&R 2003 single-width

Table 2: DM435 - Technical data (cont.)