



ET 200S COMPACT, 16DI/16DO STD DC24V,
3MS;
DC24V,
0.5A EXPANDABLE WITH UP TO 12 ET 200S MODULES
(NO F-MODULES) ELECTRONICBLOCK

General information

Vendor identification (VendorID) 8200H

Supply voltage

Load voltage 1L+

Rated value (DC) 24 V

Reverse polarity protection Yes

Input current

from supply voltage 1L+, max. 100 mA

Address area

Addressing volume

Inputs 100 byte

Outputs 100 byte

Digital inputs

Number of digital inputs 16

Input voltage

Type of input voltage DC

Rated value, DC 24 V

for signal "0" -30 to +5 V

for signal "1"	13 to 30 V
Input current	
for signal "1", typ.	3 mA
Input delay (for rated value of input voltage)	
for standard inputs	
at "0" to "1", min.	3 ms
at "0" to "1", max.	3 ms
Cable length	
Cable length unshielded, max.	1000 m
Digital outputs	
Number of digital outputs	16
Short-circuit protection	Yes
Limitation of inductive shutdown voltage to	L+ (-55 to -60 V)
Controlling a digital input	Yes
Switching capacity of the outputs	
Lamp load, max.	5 W
Output current	
for signal "1" permissible range for 0 to 60 °C, min.	7 mA
for signal "0" residual current, max.	0.5 mA
Output delay with resistive load	
"0" to "1", max.	0.5 ms
"1" to "0", max.	1.3 ms
Switching frequency	
with resistive load, max.	100 Hz
with inductive load, max.	2 Hz
on lamp load, max.	10 Hz
Total current of the outputs (per group)	
all mounting positions	
up to 60 °C, max.	2 A
Cable length	
Cable length unshielded, max.	1000 m
Encoder	
Connectable encoders	
2-wire sensor	Yes
permissible quiescent current (2-wire sensor), max.	1.5 mA
Interfaces	
Interface physics, RS 485	Yes
Interface physics, FOC	No

PROFINET IO	
Transmission rate, max.	12 Mbit/s
PROFIBUS DP	
PROFIBUS DP, output current, max.	80 mA
Transmission procedure	RS 485
Direct data exchange (slave-to-slave communication)	Yes
Cable length	
Cable length, max.	1200 m
Protocols	
PROFINET IO	No
PROFIBUS DP	Yes
Protocols (Ethernet)	
TCP/IP	No
Isochronous mode	
Isochronous mode (application synchronized up to terminal)	No
Interrupts/diagnostics/status information	
Alarms	
Alarms	No
Diagnostic messages	
Diagnostic functions	Yes
Diagnostics indication LED	
Run mode RUN (green)	Yes
Group error SF (red)	Yes
Status indicator digital output (green)	Yes
Status indicator digital input (green)	Yes
Monitoring 24 V voltage supply ON (green)	Yes
Connection to network LINK (green)	No
Transmit/receive RX/TX (yellow)	No
Galvanic isolation	
between backplane bus and electronics	No
between supply voltage and electronics	No
Galvanic isolation digital inputs	
Galvanic isolation digital inputs	No
Galvanic isolation digital outputs	
Galvanic isolation digital outputs	Yes
Isolation	
Isolation tested with	500 V DC
Degree and class of protection	

IP20	Yes
Connection method	
Inputs/outputs	Screw-type and spring-loaded terminals, permanent wiring; 3 and 4-wire connection
Dimensions	
Width	120 mm
Height	81 mm
Depth	58 mm
Weights	
Weight, approx.	230 g ; EB only
Status	Jul 14, 2014