



SIMATIC DP,
ELECTRONIC MODULE FOR ET200PRO,
4 DO DC 24V, 2.0A;
MODULE DIAGNOSTICS;
INCLUSIVE BUS MODULE,
CONNECTING MODULE IO 6ES7194-4..00-0AA0 MUST BE
ORDERED SEPERATELY

FH technology	
Module for failsafe applications	No
Supply voltage	
Load voltage 2L+	
Rated value (DC)	24 V
Short-circuit protection	Yes ; per channel, electronic
Reverse polarity protection	Yes ; against destruction; load increasing
Input current	
from load voltage 2L+ (without load), max.	20 mA
from backplane bus 3.3 V DC, max.	20 mA
Power losses	
Power loss, typ.	2 W
Address area	
Address space per module	
with packing	4 bit
without packing	1 byte
Digital outputs	
Number of digital outputs	4

Product function / at the digital outputs / short-circuit protection	Yes
Response threshold, typ.	3
Limitation of inductive shutdown voltage to	2L+ (-47 V)
Controlling a digital input	Yes
Switching capacity of the outputs	
Lamp load, max.	10 W
Load resistance range	
lower limit	12 Ω
upper limit	4 k Ω
Output voltage	
for signal "1", min.	2L+ (-0.8 V)
Output current	
for signal "1" rated value	2 A
for signal "0" residual current, max.	0.5 mA
Parallel switching of 2 outputs	
for increased power	No
for redundant control of a load	Yes
Switching frequency	
with resistive load, max.	100 Hz
with inductive load, max.	0.5 Hz
on lamp load, max.	1 Hz
Aggregate current of outputs (per group)	
all mounting positions	
up to 55 °C, max.	4 A
Cable length	
Cable length, shielded, max.	30 m
Cable length unshielded, max.	30 m
Interrupts/diagnostics/status information	
Diagnostic messages	
Diagnostic functions	Yes
Diagnostic information readable	Yes
Short circuit	Yes ; Short-circuit of outputs to ground; module by module
Diagnostics indication LED	
Group error SF (red)	Yes
Status indicator digital output (green)	Yes
Galvanic isolation	
Galvanic isolation digital outputs	
between the channels	No

between the channels and the backplane bus	Yes
Isolation	
Isolation checked with	500 V DC
Dimensions	
Width	45 mm
Height	130 mm
Depth	35 mm
Weights	
Weight, approx.	140 g
Status	Oct 28, 2013