

# SIEMENS

## Product data sheet

## 6ED1055-1FB10-0BA0



LOGO! DM16 230R, EXP. MODULE,  
PU/I/O: 230V/230V/RELAIS, 4TE, 8 DI/8 DO

Installation type/mounting	
Mounting	on DIN rail 25 mm, 4 module spaces wide
Supply voltage	
115 V DC	Yes
230 V DC	Yes
permissible range, lower limit (DC)	100 V
permissible range, upper limit (DC)	253 V
115 V AC	Yes
230 V AC	Yes
Line frequency	
Frequency of the supply voltage	63 Hz
Digital inputs	
Number/binary inputs	8
Input voltage	
Type of input voltage	AC/DC

for signal "0"	< 40 V AC; < 30 V DC
for signal "1"	> 79 V AC; > 79 V DC
<b>Input current</b>	
for signal "0", max. (permissible quiescent current)	0.03 mA
for signal "1", typ.	0.08 mA
<b>Input delay (for rated value of input voltage)</b>	
<b>for standard inputs</b>	
at "0" to "1", max.	50 ms
at "1" to "0", max.	50 ms
<b>Digital outputs</b>	
Number/binary outputs	8 ; Relay
Functionality/short-circuit strength	external fusing necessary
Lamp load, max.	1000 W ; 500 W at 115 V AC
Controlling a digital input	Yes
<b>Output current</b>	
for signal "1" rated value	5 A
<b>Parallel switching of 2 outputs</b>	
for increased power	No
<b>Switching frequency</b>	
with resistive load, max.	2 Hz
with inductive load, max.	0.5 Hz
mechanical, max.	10 Hz
<b>Relay outputs</b>	
<b>Switching capacity of contacts</b>	
with inductive load, max.	3 A
Switching frequency/contacts/at ohmic load/maximum	5 A
<b>EMC</b>	
<b>Emission of radio interference acc. to EN 55 011</b>	
Emission of radio interference acc. to EN 55 011 (limit class B)	Yes
<b>Degree and class of protection</b>	
IP20	Yes
<b>Standards, approvals, certificates</b>	

CSA approval	Yes
UL approval	Yes
FM approval	Yes
Marine approval	Yes
Developed according to IEC 61131	Yes
according to VDE 0631	Yes
<b>Ambient conditions</b>	
<b>Operating temperature</b>	
Min.	0 °C
max.	55 °C
<b>Dimensions</b>	
Width	72 mm ; 4 WU
Height	90 mm
Depth	53 mm
Status	May 26, 2012