

# Datasheet OM 2032 and OM 2032-F



- Operation module with 32 illuminated buttons
- Flexible with optional fieldbus interfaces:
  - PROFINET® I/O
  - PROFIBUS®-DP
  - Ethernet/IP®
  - EtherCAT®
- Multicolored LED signal indicator with adjustable brightness, energy-efficient and long lifetime
- Durable short stroke keys
- Optimized for low power consumption
- Easy to handle insertion stripes for individual labeling
- Local extendable with up to 3 Sub Modules at one network node
- Different configuration modes for Profinet I/O
- OM 2032-F for fail-safe operation with 3 safety inputs and 1 safety output

## Technical Data

<b>Buttons</b>	
Short-stroke keys with insertion strips	32
LED 5-colored (red, green, yellow, blue, white)	32
Status LED	32 plus 2 additional info LED
<b>Interfaces</b>	
Resotec module bus (max 5 Sub Modules)	2 x RJ45 (max. bus length 9m)
Digital I/O (only Head Modules)	16 inputs, 16 outputs Voltage: 24 VDC, max. output current: 100 mA
OM 2032-F (only for PROFINET®): fail-safe digital I/O (safety)	3 safety inputs, 1 safety output, each with two channels (SIL3)
<b>Fieldbus interfaces</b>	
PROFINET® IO Device <sup>1)</sup>	Module (option), 2 x RJ45 inkl. Switch
PROFIBUS®-DP Slave <sup>2)</sup>	Module (option), 1 x 9-pol SUB-D
Ethernet/IP® Device* <sup>3)</sup>	Module (option), 1 x 9-pol. SUB-D
EtherCAT® Slave <sup>4)</sup>	Module (option), 2 x RJ45
<b>Electrical Connection</b>	
Power supply	24 V DC, -15 % to +20 % acc. to IEC 1131-2
Current drawn (without load)	< 300 mA
Power consumption	Approx. 7,5 W
<b>Protection</b>	
Front	IP 65 acc. to EN 60529
Rear	IP 20 acc. to EN 60529

\* in preparation

Subject to technical changes

Dok. no.: HK\_92390\_V0.6\_GBR 08/2020

<b>Environmental Conditions</b>	
Operating temperature	0 to 55 °C
Storage temperature	-20 to 60 °C
Relative humidity (without condensation)	< 80 %
<b>Housing</b>	
Overall dimensions (W x H) in mm	240 x 204
Cut-out dimensions (W x H) in mm	226 <sup>-2</sup> x 190 <sup>-2</sup>
Mounting depth	Approx. 50 mm without connector
Front panel	Aluminum front panel with design foil
Housing lid	Stainless steel
Weight	Approx. 1,2 kg
<b>Certificates and Approvals</b>	
CE conformity	EN 61000-6-4 emission EN 61000-6-2 immunity
<b>Order no OM 2032</b>	
92390 1008	OM 2032 Head Module, PROFINET <sup>®</sup> IO Device
92390 1001	OM 2032 Head Module, PROFIBUS <sup>®</sup> DP Slave
92390 1003	OM 2032 Head Module, EtherCAT <sup>®</sup>
92390 1108	OM 2032-F Head Module, PROFINET <sup>®</sup> IO Device, Safety E/A
92390 1010	OM 2032 Sub Module (Fig. 3)



Fig. 1: OM 2032 front design



Fieldbus / network

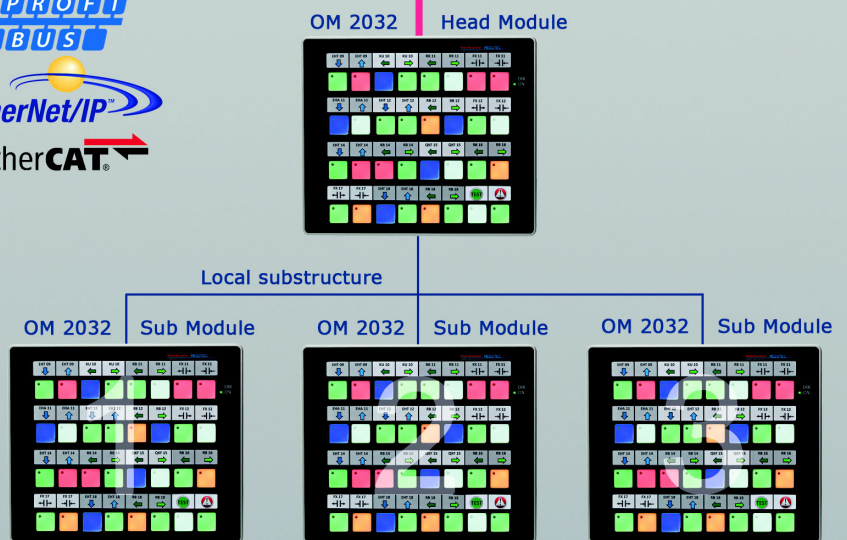


Fig. 3: OM 2032 system structure



Fig. 2: Individual labeling

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