



DESIGN BLANK FRONT KP8 APPEARANCE FOR EASY MOUNTING OF STANDARD 22.5 MM CONTROL ELEMENTS IDEAL FOR MODULAR OPERATING PANELS ALSO OPTIMIZED FOR MOUNTING IN EXTENSION UNITS FOR PRO DEVICES

Control elements

With parameterizable keys

No

With key and signal lamp test

No

Keyboard fonts

user-definable label membrane keys

No

Short-stroke keys

Number of short-stroke keys

0

Expansions for operator control of the process

DP direct LEDs (LEDs as S7 output I/O)

0

Number of color modes for LED

0

Direct keys (keys as S7 input I/O)

0

Installation type/mounting

Rack mounting possible

No

Front installation possible

Yes ; Compatible with extension unit dimensions

Rail mounting possible

No

Wall mounting/direct mounting possible

No

Mounting in portrait format possible

Yes

Mounting in landscape format possible

Yes

Mounting technology

Tension clamps	Yes
Number of slots for command devices and signaling units	5 ; Max. 5 possible
Supply voltage	
Type of supply voltage	external
Type of output	
LED colors	
red	No
yellow	No
green	No
white	No
blue	No
Digital inputs	
Number of digital inputs	0
Digital outputs	
Number of digital outputs	0
Number of additional outputs	
Short-circuit protection	No
Interfaces	
Number of USB interfaces	0
PROFINET IO	
Number of PROFINET interfaces	0
Industrial Ethernet	
Number of industrial Ethernet interfaces	0
Industrial Ethernet status LED	0
Number of ports of the integrated switch	0
Protocols	
PROFINET	No
PROFINET IO	No
IRT, supported	No
MRP supported	No
PROFINET CBA	No
PROFIsafe	No
PROFIBUS	No
MPI	No
Protocols (Ethernet)	
TCP/IP	No
Further protocols	
AS-i	No

AS-Interface Safety at Work	No
SafetyBUS p	No
CAN	No
INTERBUS	No
INTERBUS-Safety	No
EIB/KNX	No
MODBUS	No
Data-Highway	No
DeviceNet	No
DeviceNet Safety	No
EtherNet/IP	No
Local Operating Network	No
SUCOnet	No
Foundation Fieldbus	No
SERCOS	No
other bus systems	No
Test commissioning functions	
Illuminant test	No
Pushbutton and lamp test	No
EMC	
Emission of radio interference acc. to EN 55 011	
Emission of radio interference acc. to EN 55 011 (limit class A)	No
Emission of radio interference acc. to EN 55 011 (limit class B)	No
Degree and class of protection	
IP (at the front)	IP65
Enclosure Type 4 at the front	No
Enclosure Type 4x at the front	No
IP (rear)	IP20
Standards, approvals, certificates	
CE mark	Yes
KC approval	No
cULus	No
RCM (former C-TICK)	No
Suitable for safety functions	Yes ; e.g. installation of emergency stop
Marine approval	
Germanischer Lloyd (GL)	No
American Bureau of Shipping (ABS)	No

Bureau Veritas (BV)	No
Det Norske Veritas (DNV)	No
Lloyds Register of Shipping (LRS)	No
Nippon Kaiji Kyokai (Class NK)	No
Polski Rejestr Statkow (PRS)	No
Use in hazardous areas	
ATEX Zone 2	No
ATEX Zone 22	No
cULus Class I Zone 1	No
cULus Class I Zone 2, Division 2	No
FM Class I Division 2	No
Ambient conditions	
Mounting position	Any
maximum permissible angle of inclination without external ventilation	180 ° ; To the front/rear
Operating temperature	
Operating temperature range, min.	0 °C
Operating temperature range, max.	55 °C
Operation (vertical installation)	
in vertical mounting position, minimum	0 °C
in vertical mounting position, maximum	55 °C
Operation (max. tilt angle)	
at maximum tilt angle, minimum	0 °C
at maximum tilt angle, maximum	45 °C
Operation (vertical installation, portrait format)	
in vertical mounting position, minimum	0 °C
in vertical mounting position, maximum	45 °C
Operation (max. tilt angle, portrait format)	
at maximum tilt angle, minimum	0 °C
at maximum tilt angle, maximum	45 °C
Storage/transport temperature	
min.	-20 °C
max.	60 °C
Relative humidity	
Operation, max.	95 %
Configuration	
Configuration software	
STEP 7 Basic (TIA Portal)	No
STEP 7 Professional (TIA Portal)	No

Functionality under WinCC (TIA Portal)	
Process coupling	
S7-1200	Yes
S7-1500	Yes
S7-200	No
S7-300/400	Yes
LOGO!	No
WinAC	Yes
SINUMERIK	No
SIMOTION	No
Allen Bradley (EtherNet/IP)	No
Allen Bradley (DF1)	No
Mitsubishi (MC TCP/IP)	No
Mitsubishi (FX)	No
OMRON (FINS TCP)	No
OMRON (LINK/Multilink)	No
Modicon (Modbus TCP/IP)	No
Modicon (Modbus)	No
Mechanics/material	
Type of housing (front)	
Plastic	No
Aluminum	Yes
Stainless steel	No
Dimensions	
Width of the housing front	98 mm
Height of housing front	155 mm
Mounting cutout/device depth (W x H x D)	
Mounting cutout, width	68 mm ; Max. thickness of mounting plate 2-6 mm
Mounting cutout, height	129 mm
Overall depth	49 mm
Weights	
Weight without packaging	240 g
Status	Aug 7, 2014