



**Type number** 3800.590.153  
**Type designation** C-PS-mPad-GGmT-NG2

### Further technical data and documents

Nexeed release drive (Bosch internal – Intranet)

[\\bosch.com/dfsrb/DfsDE/DIV/BCI/Nexeed/Automation/ControlPlus/Hardware/mPad](https://bosch.com/dfsrb/DfsDE/DIV/BCI/Nexeed/Automation/ControlPlus/Hardware/mPad)

BCI Download Portal

<https://www.bosch-connected-industry.com/de/de/dienstleistungen/download/automation/hardware/>

Characteristic	Technical Data
<b>General information</b>	
Power supply	24 VDC, SELV/PELV, EN 61131
Input voltage range	20.4 VDC to 28.8 VDC, EN 61131
Maximum power consumption	0.54 A at 24 VDC (13 W)
Dimensions W×H×D	325 × 185 × 59.58 mm
Weight	1.450 kg
Type of protection	IP54 with USB protective cap
Prescribed external fused protection	2 A with 6.7 A tripping characteristic after 120 sec.
Class of protection	III
EMC	CE class A
<b>Housing</b>	
Material	ABS
	Hardware support: Aluminum
Flame retardance of plastic	UL94-HB

<b>Display</b>	
Type	MVA TFT
Size	10.1"
Brightness	300 cd/m <sup>2</sup>
Contrast ratio	1300:1
Viewing angle	85/85/85/85°
Material	Anti-reflective glass, 6 H
Resolution	1280 × 800 pixels
Color display	262000
<b>Interface</b>	
Power supply	Single cores
	DVI
USB	1×USB 2.0
<b>Connection cable</b>	
Length	5.5 m
Bending radius	One-off bending when routing: 3 × D
	Minimum bending radius during constant movement: 7 × D
	Optimum bending radius during constant movement: 10 × D
Torsion stress	±180°/m
Permissible tensile strength	100 N
<b>Ambient conditions</b>	
Work environment	Industry
Working temperature	+5°C to +40°C
Storage and transportation temperature	-20°C to +60°C
Humidity	10–95% non-condensing, EN 61131-2
Air pressure (operation)	Up to 2000 m above sea level, EN 61131-2
Air pressure (transport and storage)	Up to 3000 m above sea level, EN 61131-2
Degree of contamination	2
Overvoltage category	II
Mechanical strength (operation)	Insensitivity to sinusoidal vibrations: 5 Hz ≤ f < 9 Hz with 3.5 mm 9 Hz ≤ f < 150 Hz with 1.0 g, EN 61131-2
Mechanical strength (transport)	Insensitivity to shock: 15 g/11 ms, EN 61131-2
<b>EMERGENCY STOP</b>	
Type designation	IDEC XA series, IDEC XAE1BV3U02R
Nominal voltage	24 VDC
Minimum current	10 mA

Utilization category	DC-13, IEC 60947-5-1
Service life (switching cycles)	Mechanical: 250,000
	Electric: 100,000
<b>Confirm buttons</b>	
Type designation	IDEC HE6B series, IDEC HE6BM211Y
Nominal voltage	24 VDC
Switchable rated current	500 mA
Utilization category	DC-13, IEC 60947-5-1
Service life (switching cycles)	Mechanical: Stage 1-2-1:10 <sup>6</sup> Stage 1-2-3-1:10 <sup>6</sup>
<b>Standards and approvals</b>	
UL approval	UL61010
CSA	C22.2 No. 61010-1-12
EMC	EN 61131-2 EN 61000-6-2 EN 61000-6-4
Type of protection	EN 60529
Safety and fire protection, power installations	EN 50178
Conformity with the Machinery Directive	EN ISO 13850
	EN ISO 13849-1 EN ISO 13849-2
<b>Wall fixture</b>	
Material	ST37 steel with plastic coating Clips made from Makrolon 9415

