

# Datasheet

## 020P2NNS45

### Twin push-button +/-, black-black



## Features

<b>Range</b>	Non-illuminated twin push-buttons Ø 22
<b>components</b>	Black-black
<b>Code</b>	020P2NNS45
<b>Description</b>	Twin push-button +/-, black-black
<b>Colour</b>	Nero-Nero
<b>Weight - gr</b>	25.0
<b>Customs Tariff</b>	85365080
<b>GTIN</b>	8052878005092

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<b>Approvals</b>	CE, UL, CSA
<b>Compliance with standards</b>	IEC-EN60947-1, IEC-EN60947-5-1, UL508, CSA C22-2
<b>Compliance with standards</b>	UNI CEI EN 45545-2, CEI EN 61373
<b>Operating temperatures</b>	-40° ÷ +70°C
<b>Environmental operating values</b>	+25°C-97%RH / +45°C-93%RH (IEC-EN60068-2-30)
<b>Protection degree</b>	IP66 - IP69 (IEC-EN60529)
<b>Protection against impact</b>	IK03 (IEC-EN62262)
<b>Mechanical durability</b>	3.000.000 Operations
<b>Shock resistance</b>	30g duration=18ms (EN-IEC 60068-2-27)
<b>Shock resistance</b>	50g duration=11ms (EN-IEC 60068-2-27)
<b>Vibration resistance</b>	5g f= 2...500Hz (EN-IEC 60068-2-6)
<b>Contact blocks configuration</b>	Max no. 8 blocks (4+4)
<b>Material</b>	PA Polyamide
<b>Button/mushroom material (illuminated type)</b>	PC Polycarbonate
<b>Locking ring material</b>	Zamak zinc alloy
<b>Fixing diameter</b>	22.5mm - Thickness 1÷6mm
<b>Tightening torque</b>	2 ÷ 3Nm (17.7 ÷ 26.6 Lb-in)
<b>Actuation type</b>	Spring return
<b>Protection against electric shock</b>	Class II (IEC-EN61140)
<b>Illuminated version</b>	Use Ba9S bulbs with 24mm height max.
<b>Warranty period</b>	18 months

# Technical drawings

