

1VE-10N

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No Image
AvailableStandard sensitivity, IP60, snap action, self-resetting mechanism,
single pole double throw, 1c, seal · plunger type

Shape / structure	Universal Horizontal Type
Actuator	Seal · Plunger type
Contact configuration	1c
load	General load
Protective structure	IEC 60529 standard (JEM standard): IP60

Format list of VE

Image

Shape · Series

General-purpose
enclosed switch
VE

catalog

manual

About this format

I-Web 検索

Add to my parts

add to cart

Standard price (tax not included)	¥ 3,900
Special price (tax excluded)	¥ 3,694
Special price (tax included)	¥ 3,990
Delivery date classification	Standard stock

Selling price · special price · delivery
date classification will be
information at Omron FA store.Environmental and Safety
ResponseSearch RoHS / REACH
compatibility status

I-Web 検索

Export confirms the non-
judgment

I-Web 検索

To inquire

Selection, operation, setting
method etc.

Rating / Specification

Body mounting hole machining drawing

Circuit configuration

CAD

Information update: 2016/08/30

Shape / structure	Universal Horizontal Type
lifespan	General form
Motion method	Snap Action
Actuator	Seal · Plunger type
Rated frequency	50/60 Hz
Switch mechanism	Self-resetting mechanism
Contact type	Single pole double throw
Contact configuration	1c
load	General load
Switching ability (AC) / no inductive load	Rated voltage: AC125V / resistive load: 10A (NC) 10A (NO) / lamp load: 3A (NC) 2A (NO) Rated voltage: AC250V / resistive load: 10A (NC) 10A (NO) / lamp load: 2A (NC) 1.5 A (NO)
Switching capacity (AC) / inductive load	Rated voltage: AC125V / inductive load: 10A (NC) 10A (NO) / motor load: 3A (NC) 2A (NO) Rated voltage: AC250V / inductive load: 10A (NC) 10A (NO) / motor load: 2A (NC) 1.5 A (NO)
Switching ability (DC) / no inductive load	Rated voltage: DC8V / resistive load: 10A (NC) 10A (NO) / lamp load: 6A (NC) 3A (NO) Rated voltage: DC14V / resistive load: 10A (NC) 10A (NO) / lamp load: 6A (NC) 3A (NO) rated voltage: DC30V / resistive load: 6A (NC) 6A (NO) / lamp load: 4A (NC) 3A (NO) rated voltage: DC125V / resistive load: 0.6A (NC) 0.6A (NO) / lamp load: 0.1A (NC) 0.1A (NO) rated voltage: DC250V / resistive load: 0.3A (NC) 0.3A (NO) / lamp load: 0.05A (NC) 0.05A (NO)
Allowable inrush current	Always closed (NC): 24A normally open (NO): 24A
Ambient temperature range	When used: -10 to 80 °C
Ambient humidity range	When used: 35 to 95%

Allowable operating speed	0.1 mm / s to 0.5 m / s
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Allowable operation frequency (mechanical)	120 times / min or less
Allowable operation frequency (electrical)	60 times / minute or less
Contact resistance	15mΩ or less (initial value) (by the method of measuring the contact resistance meter)
Insulation resistance	Between the same extreme child: 100MΩ charging metal part and ground between: 100MΩ each terminal and the non-charging metal part between: 100MΩ (at DC500V mega)
Withstand voltage	Between the same extreme child: 1000V charging metal part and ground between: 1500V each terminal and the non-charging metal part between: 1500V (50 / 60Hz 1 Min)
Durability (mechanical)	More than 150 million times (at no load) (temperature, humidity conditions: 5 °C ~ 35 °C, 40 % ~ 70% RH)
Durability (electrical)	More than 30 million times (at AC125V 10A (resistive load)) (temperature, humidity conditions: 5 °C ~ 35 °C, 40 % ~ 70% RH)
Vibration proof (malfunction)	Free state at continuous change of 10 to 55 Hz, multiple amplitude 1.5 mm, contact separation at operation limit position within 1 ms
Impact resistance (durability)	1,000 m / s 2
Impact resistance (malfunction)	Free state in a range of up to 300 m / s 2, within 1 ms of contact opening at operating limit position
Protective structure	IEC 60529 standard (JEM standard): IP60
Mounting specification	Rear mounting

Power required for operation (OF)	Standard value Maximum 22.26 N
Return force (RF)	Standard value minimum 2.23 N
Movement to action (PT)	Standard value Maximum 2 mm
Motion after movement (OT)	Standard value minimum 6.3 mm
Hysteresis movement (MD)	Standard value maximum 0.8 mm
Operating position (OP)	Standard value 61.1 ± 0.8 mm

Information update: 2016/08/30

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- ▶ relay
- ▶ Control
- ▶ FA system equipment
- ▶ Motion / Drive
- ▶ Robotics
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▶ 3D CAD

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