



199536
PV-25A-4P-AC-I2/SVB-SW/N

Overview

Specifications

Resources



Delivery program

Technical data

Technical data ETIM8.0

Dimensions

DELIVERY PROGRAM

Product range
 Main switch
 maintenance switch

Part group reference
 P1

Stop Function
 STOP function

With black rotary handle and locking ring

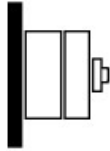
Information about equipment supplied
 auxiliary contact fitted by user.

Number of poles
 3 pole + N

Locking facility
 Lockable in the 0 (Off) position

Degree of Protection
IP20

Design
surface mounting



Switching angle
90 °

Motor rating AC-23A, 50 - 60 Hz [P]

400 V [P]
11 kW

Rated uninterrupted current [I_u]
25 A

Note on rated uninterrupted current I_u
Rated uninterrupted current I_u is specified for max.
cross-section.

TECHNICAL DATA

General

Standards
IEC/EN 60947, VDE 0660, IEC/EN 60204, CSA, UL
Switch-disconnector according to IEC/EN 60947-3

Climatic proofing
Damp heat, constant, to IEC 60068-2-78
Damp heat, cyclic, to IEC 60068-2-30

Ambient temperature
Enclosed
-25 - +40 °C

Overvoltage category/pollution degree
III/3

Rated impulse withstand voltage [U_{imp}]
6000 V AC

Mechanical shock resistance
15 g

Mounting position
As required

Contacts

Mechanical variables
Number of poles
3 pole + N

Electrical characteristics
Rated operational voltage [U_e]
690 V AC

Electrical characteristics
Rated uninterrupted current [I_u]
25 A

Electrical characteristics
Note on rated uninterrupted current I_u
Rated uninterrupted current I_u is specified for max.
cross-section.

Load rating with intermittent operation, class 12
AB 25 % DF
 $2 \times I_e$

Load rating with intermittent operation, class 12
AB 40 % DF
 $1.6 \times I_e$

Load rating with intermittent operation, class 12
AB 60 % DF
 $1.3 \times I_e$

Short-circuit rating
Fuse
25 A gG/gL

Rated short-time withstand current (1 s current)

$[I_{cw}]$

640 A_{rms}

Note on rated short-time withstand current I_{cw}

Current for a time of 1 second

Rated conditional short-circuit current $[I_q]$

50 kA

Switching capacity

$\cos \phi$ rated making capacity as per IEC 60947-3

240 A

Rated breaking capacity $\cos \phi$ to IEC 60947-3

230 V

190 A

Rated breaking capacity $\cos \phi$ to IEC 60947-3

400/415 V

150 A

Rated breaking capacity $\cos \phi$ to IEC 60947-3

500 V

170 A

Rated breaking capacity $\cos \phi$ to IEC 60947-3

690 V

150 A

Safe isolation to EN 61140

between the contacts

440 V AC

Safe isolation to EN 61140

Current heat loss per contact at I_e

1.1 W

Lifespan, mechanical [Operations]

$> 0.3 \times 10^6$

Maximum operating frequency [Operations/h]

1200

AC
AC-3
Rating, motor load switch [P]
220 V 230 V [P]
5.5 kW

AC
AC-3
Rating, motor load switch [P]
400 V 415 V [P]
7.5 kW

AC
AC-3
Rating, motor load switch [P]
500 V [P]
7.5 kW

AC
AC-3
Rating, motor load switch [P]
690 V [P]
7.5 kW

AC
AC-3
Rated operational current motor load switch
230 V [I_e]
19.6 A

AC
AC-3
Rated operational current motor load switch
400V 415 V [I_e]
15.2 A

AC
AC-3
Rated operational current motor load switch
500 V [I_e]
12.1 A

AC
AC-3
Rated operational current motor load switch
690 V [I_e]
8.8 A

AC
AC-23A
Mtor rating AC-23A, 50 - 60 Hz [P]
230 V [P]

5.5 kW

AC
AC-23A
Motor rating AC-23A, 50 - 60 Hz [P]
400 V 415 V [P]
11 kW

AC
AC-23A
Motor rating AC-23A, 50 - 60 Hz [P]
500 V [P]
11 kW

AC
AC-23A
Motor rating AC-23A, 50 - 60 Hz [P]
690 V [P]
11 kW

AC
AC-23A
Rated operational current motor load switch
230 V [I_e]
25 A

AC
AC-23A
Rated operational current motor load switch
400 V 415 V [I_e]
25 A

AC
AC-23A
Rated operational current motor load switch
500 V [I_e]
17.4 A

AC
AC-23A
Rated operational current motor load switch
690 V [I_e]
12.6 A

DC
DC-1, Load-break switches L/R = 1 ms
Rated operational current [I_e]
25 A

DC
DC-1, Load-break switches L/R = 1 ms
Voltage per contact pair in series

60 V

DC
DC-23A, motor load switch L/R = 15 ms
24 V
Rated operational current [I_e]
25 A

DC
DC-23A, motor load switch L/R = 15 ms
24 V
Contacts
1 Quantity

DC
DC-23A, motor load switch L/R = 15 ms
48 V
Rated operational current [I_e]
25 A

DC
DC-23A, motor load switch L/R = 15 ms
48 V
Contacts
2 Quantity

DC
DC-23A, motor load switch L/R = 15 ms
60 V
Rated operational current [I_e]
25 A

DC
DC-23A, motor load switch L/R = 15 ms
60 V
Contacts
2 Quantity

DC
DC-23A, motor load switch L/R = 15 ms
120 V
Rated operational current [I_e]
12 A

DC
DC-23A, motor load switch L/R = 15 ms
120 V
Contacts
3 Quantity

Control circuit reliability at 24 V DC, 10 mA [Fault

probability]
< 10⁻⁵, < 1 failure in 100,000 switching operations
H

Terminal capacities

Solid or stranded
1 x (1,5 - 6)
2 x (1,5 - 6) mm²

Flexible with ferrules to DIN 46228
1 x (1 - 4)
2 x (1 - 4) mm²

Terminal screw
M4

Tightening torque for terminal screw
1.6 Nm

Technical safety parameters:

Notes

B10_d values as per EN ISO 13849-1, table C1

Rating data for approved types

Terminal capacity
Terminal screw
M4

Terminal capacity
Tightening torque
14.13 lb-in

TECHNICAL DATA ETIM 8.0

Low-voltage industrial components (EG000017) / Switch disconnecter (EO000216)

Electric engineering, automation, process control engineering / Low-voltage switch technology / Off-load switch, circuit breaker, control switch / Switch disconnecter (ecl@ss10.0.1-27-37-14-03 [AKF060013])

Version as main switch
Yes

Version as maintenance-/service switch
Yes

Version as safety switch
No

Version as emergency stop installation
No

Version as reversing switch
No

Number of switches
1

Max. rated operation voltage U_e AC
690 V

Rated operating voltage
690 - 690 V

Rated permanent current I_u
25 A

Rated permanent current at AC-23, 400 V
25 A

Rated permanent current at AC-21, 400 V
25 A

Rated operation power at AC-3, 400 V
7.5 kW

Rated short-time withstand current I_{cw}
0.64 kA

Rated operation power at AC-23, 400 V
13 kW

Switching power at 400 V
13 kW

Conditioned rated short-circuit current I_q
80 kA

Number of poles
4

Number of auxiliary contacts as normally closed
contact
0

Number of auxiliary contacts as normally open
contact
0

Number of auxiliary contacts as change-over
contact
0

Mbtor drive optional
No

Mbtor drive integrated
No

Voltage release optional
No

Device construction
Complete device in housing

Suitable for floor mounting
Yes

Suitable for front mounting 4-hole
No

Suitable for front mounting centre
No

Suitable for distribution board installation
No

Suitable for intermediate mounting

No

Colour control element
Black

Type of control element
Door coupling rotary drive

Interlockable
Yes

Type of electrical connection of main circuit
Screw connection

Degree of protection (IP), front side
IP20

Degree of protection (NEMA)
Other

DIMENSIONS





[Imprint](#) | [Privacy Policy](#) | [Legal Disclaimer](#) | [Terms and Conditions](#)
© 2022 by Eaton Industries GmbH