



Switch Disconnecter Ex d IIB 100 A 4 Pole, Aluminum Enclosure

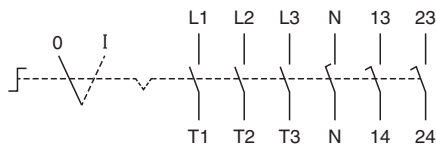
EJB4A.D.PS.DIS.100.3PN.2NO

- Switch disconnecter, 2 position with left OFF - 4x NO
- Labeling '0 - I'
- Auxiliary contacts - 2x NO
- Installation in Zone 1, Zone 2, Zone 21 and Zone 22
- Aluminum enclosure
- Ex d and Ex tb certified
- Padlockable switch
- Degree of protection IP66

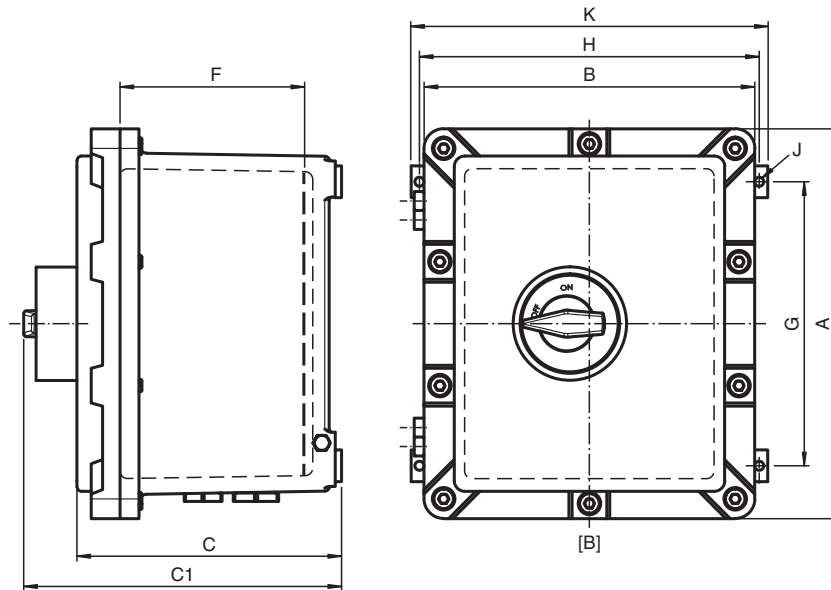


Connection

	L1	L2	L3	N	13	23
0						
I	X	X	X	X	X	X
	T1	T2	T3	N	14	24



Dimensions



Dimension values see data table.

Real values might differ slightly due to manufacturing tolerances.

Dimensions are valid for standard enclosures and IP66 variants only.

Image and drawing are generic for this device type and may deviate from the specific variant.

Legend

A	Height
B	Width
C	Depth
C1	Depth with operating element
G	Mounting holes distance, vertical
H	Mounting holes distance, horizontal
J	Mounting holes diameter
K	Maximum external dimension of mounting brackets
[B]	Cable entry face

Technical Data

Electrical specifications

Operating voltage	690 V max.
Rated impulse withstand voltage	6 kV
Rated frequency	50Hz
Short circuit current limitation	recommended: 100 A, gG
Operating current	100 A max.
Terminal capacity	
Main terminals capacity	2x 1 mm ² ... 50 mm ²
Main terminals torque	3 Nm
Grounding terminals capacity	2x 2.5 mm ² ... 35 mm ²
Grounding terminals torque	5 Nm min.
Rated insulation voltage	690 V
Function	switch disconnecter
Color	black with yellow shroud

Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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Technical Data

Contact configuration	4x NO
Switching configuration	2 position with left OFF
Usage category	AC23: 690 V AC - 100 A AC3: 690 V AC - 100 A
Number of poles	4
Auxiliary contacts	2x NO delayed, advanced opening
Auxiliary contacts usage category	AC15: 500 V AC - 1.5 A / 440 V AC - 3.0 A / 240 V AC - 6.0 A
Operator action	engage - engage
Lockable	in 'OFF' position
Labeling	0 - I
Mechanical specifications	
Enclosure range	EJB
Enclosure cover	fully detachable
Cover fixing	stainless steel socket cap head screws
Screws	M8
Number	10
Tightening torque	20 Nm
Yield stress	min. 450 N/mm ²
Degree of protection	IP66
Cable entry face B	
M20 quantity	1
M20 series	Stopping Plugs, Metal, Hexagon Head
M20 type	SP.MD.M20.BN.*
M40 quantity	2
M40 series	Stopping Plugs, Metal, Hexagon Head
M40 type	SP.MD.M40.BN.*
Defined entry area	face B
Material	
Enclosure	aluminum alloy
Finish	epoxy coated RAL 7005 (grey)
Mass	approx. 18.5 kg
Dimensions	values might differ slightly due to casting and manufacturing tolerances
External dimension (A)	265 mm
External dimension (B)	225 mm
External dimension (C)	180 mm
External dimension with operating element (C1)	210.5 mm
Mounting holes distance (G)	188 mm
Mounting holes distance (H)	206 mm
Mounting holes diameter (J)	8 mm
Maximum external dimension (K)	258 mm
Tightening torque	
Nut torque at enclosure (SW1)	see datasheets of stopping plugs
Grounding	M6 external grounding points
Ambient conditions	
Ambient temperature	-20 ... 50 °C (-4 ... 122 °F) @ T6
Data for application in connection with hazardous areas	
EU-type examination certificate	INERIS 14 ATEX 0022X
Marking	Ⓔ II 2 GD Ex d IIB+H ₂ T* Gb Ex tb IIIC Db
International approvals	
IECEx approval	IECEx INE 14.0029X
UKCA approval	CML 21 UKEX 1424X

Release date: 2023-09-26 Date of issue: 2023-09-26 Filename: 303851_eng.pdf

Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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Technical Data

Further approvals	further on request
Conformity	
Degree of protection	EN60529
Usage category	IEC / EN 60947
General information	
Supplementary information	EC-Type Examination Certificate, Statement of Conformity, Declaration of Conformity, Attestation of Conformity and instructions have to be observed where applicable. For information see www.pepperl-fuchs.com .

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