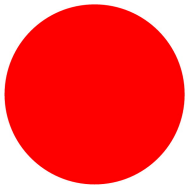
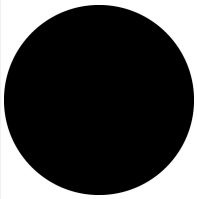
Palm switch, 2 N/C, emergency switching off, surface mounting

Part no. FAK-R/V/KC02/IY
Article no. 256790
Catalog No. FAK-R-V-KC02-IY

Powering Business Worldwide

Delivery program

Product range	Foot and palm switches
Basic function	Complete devices
Single unit/Complete unit	Complete unit
Function	maintained
Description	Pull to release Emergency stop pushbutton tamper-proof to ISO 13850/EN 418
Contacts	
N/C = Normally closed	2 NC
Notes	= safety function, by positive opening to IEC/EN 60947-5-1
Colour	
Button	Red
	
enclosure top	Yellow
Enclosure base	Black
	
Approval	INDUSTRIE FORUM DESIGN HANNOVER TÜV Rheinland Product Safety BAUART GEPRÜFT TYPE APPROVED totally insulated SUVA CNA INSAI
Connection to SmartWire-DT	no

Technical data

General

Standards	IEC/EN 60947-5-5, VDE 0660

Lifespan, mechanical	Operations	x 10^6	> 0.1
Operating frequency	Operations/h		600
Actuating force		N	40 - 60
Degree of protection, IEC/EN 60529			IP67, IP69K
Climatic proofing			Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30
Ambient temperature			
Open		°C	-25 - +40
Mounting position			As required
Mechanical shock resistance		g	> 15 Shock duration 11 ms Sinusoidal according to IEC 60068-2-27

Design verification as per IEC/EN 61439

Technical data for design verification			
Rated operational current for specified heat dissipation	I_n	A	6
Heat dissipation per pole, current-dependent	P_{vid}	W	0.11
Equipment heat dissipation, current-dependent	P_{vid}	W	0
Static heat dissipation, non-current-dependent	P_{vs}	W	0
Heat dissipation capacity	P_{diss}	W	0
Operating ambient temperature min.		°C	-25
Operating ambient temperature max.		°C	40
IEC/EN 61439 design verification			
10.2 Strength of materials and parts			
10.2.2 Corrosion resistance			Meets the product standard's requirements.
10.2.3.1 Verification of thermal stability of enclosures			Meets the product standard's requirements.
10.2.3.2 Verification of resistance of insulating materials to normal heat			Meets the product standard's requirements.
10.2.3.3 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects			Meets the product standard's requirements.
10.2.4 Resistance to ultra-violet (UV) radiation			Please enquire
10.2.5 Lifting			Does not apply, since the entire switchgear needs to be evaluated.
10.2.6 Mechanical impact			Does not apply, since the entire switchgear needs to be evaluated.
10.2.7 Inscriptions			Meets the product standard's requirements.
10.3 Degree of protection of ASSEMBLIES			Does not apply, since the entire switchgear needs to be evaluated.
10.4 Clearances and creepage distances			Meets the product standard's requirements.
10.5 Protection against electric shock			Does not apply, since the entire switchgear needs to be evaluated.
10.6 Incorporation of switching devices and components			Does not apply, since the entire switchgear needs to be evaluated.
10.7 Internal electrical circuits and connections			Is the panel builder's responsibility.
10.8 Connections for external conductors			Is the panel builder's responsibility.
10.9 Insulation properties			
10.9.2 Power-frequency electric strength			Is the panel builder's responsibility.
10.9.3 Impulse withstand voltage			Is the panel builder's responsibility.
10.9.4 Testing of enclosures made of insulating material			Is the panel builder's responsibility.
10.10 Temperature rise			The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
10.11 Short-circuit rating			Is the panel builder's responsibility. The specifications for the switchgear must be observed.
10.12 Electromagnetic compatibility			Is the panel builder's responsibility. The specifications for the switchgear must be observed.
10.13 Mechanical function			The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.

Technical data ETIM 6.0

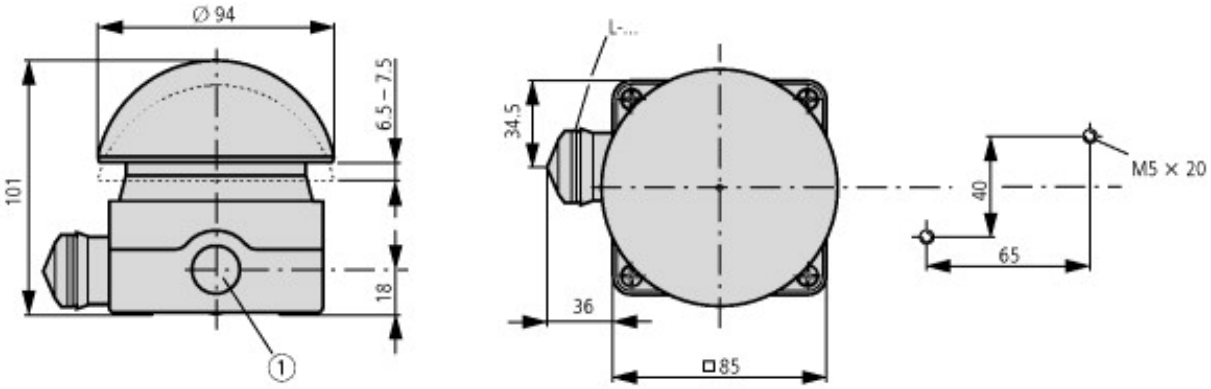
Low-voltage industrial components (EG000017) / Foot-/palm switch complete (EC000231)			
Electric engineering, automation, process control engineering / Low-voltage switch technology / Command and alarm device / Foot, palm switch (ecl@ss8.1-27-37-12-17 [AKF035011])			
Unlocking method			Pull release
Colour cap			Red

Number of contacts as normally open contact			0
Number of contacts as normally closed contact			2
Switching function latching			Yes
Spring-return			No
Hole diameter		mm	0
Degree of protection (IP)			-

Approvals

Product Standards			IEC/EN 60947-5; UL 508; CSA-C22.2 No. 14-05; CSA-C22.2 No. 94-91; CE marking
UL File No.			E29184
UL Category Control No.			NKCR
CSA File No.			012528
CSA Class No.			3211-03
North America Certification			UL listed, CSA certified
Degree of Protection			UL/CSA Type 3R, 4X, 12, 13

Dimensions



3 x M20 (PG 13.5) on the side
1 x M16 in the base

Additional product information (links)

IL04716006Z (AWA1160-1696) Indicator light	
IL04716006Z (AWA1160-1696) Indicator light	ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL04716006Z2011_02.pdf
IL04716017Z (AWA1160-1467) Foot and palm switches	
IL04716017Z (AWA1160-1467) Foot and palm switches	ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL04716017Z2011_02.pdf