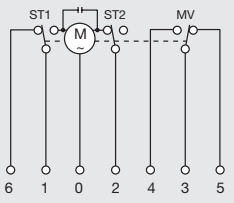
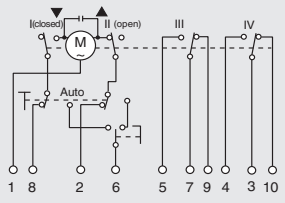
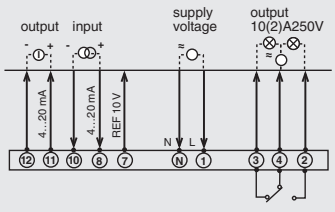
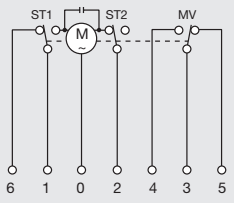
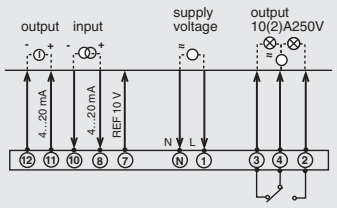
Actuator drives

Technical data

Type	**DMA 40 P 230/02 3 L**	**DMA 40 P 230/02 4 L**	**DMA 30 P 230/03 0 L**	
Order No.	**226 240**	**238 810**	**226 239**	
Operating time for 90 °	40 s	40 s	30 s	
Switch-on duration ED Motor/relay	25 % / 100 %	25 % / 100 %	25 % / 100 %	
Voltage/frequency	~(AC) 230 V 50 Hz	~(AC) 230 V 50 Hz	~(AC) 230 V 50 Hz	
Ambient temperature	0 °C to 60 °C	0 °C to 60 °C	0 °C to 60 °C	
Weight	approx. 0.4 kg	approx. 0.5 kg	approx. 0.5 kg	
Power consumption	max. 3 VA	max. 3 VA	max. 3 VA	
Operating mode	automatic	automatic / manual	automatic / manual	
Rotation angle adjustment	3 cams	4 cams	3 cams	Potentiometer
Function, colours - min. - max. - potential-free, travelling	 yellow red blue	 yellow red 2 x blue	 red yellow yellow	 $y_{min.}$ $y_{max.}$ -
Adjustment by	Lever	Lever	Lever	Adjustment screw
Potentiometer	-	optionally retrofittable	yes	
Control	~(AC) 230 V 50 Hz	~(AC) 230 V 50 Hz	4 to 20 mA	
Output	-	-	4 to 20 mA	
Separate power output	-	-	10 V	
Direction of rotation of the shaft closed → open	left	left	left	
Cable entry	1 x PG9	1 x PG9	2 x PG9	
Nominal torque	200 Ncm	200 Ncm	300 Ncm	
Static holding torque	200 Ncm	200 Ncm	200 Ncm	
Permissible lateral force on the shaft	max. 60 N	max. 60 N	max. 60 N	
Shaft diameter	8_{h8} mm	8_{h8} mm	8_{h8} mm	
Shaft flat area	1 x 16 mm	1 x 16 mm	1 x 16 mm	
Degree of protection (DIN 40050)	IP 40	IP 40	IP 40	
Protection class EN 50178	2	2	2	
Diagram				

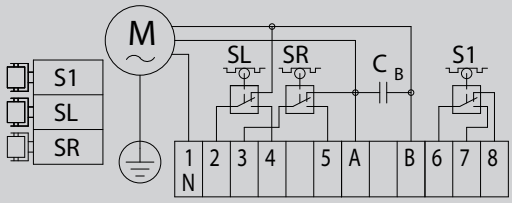
Actuator drives

Technical data

Type	**DMA 30 Q 230/10 3 L**	**DMA 30 Q 230/10 0 L**	
Order No.	**252 723**	**252 721**	
Operating time for 90 °	30 s	30 s	
Switch-on duration ED Motor/relay	25 % / 100 %	25 % / 100 %	
Voltage/frequency	~(AC) 230 V 50 Hz	~(AC) 230 V 50 Hz	
Ambient temperature	0 °C to 60 °C	0 °C t0 60 °C	
Weight	approx. 1.6 kg	approx. 1.7 kg	
Power consumption	max. 3 VA	max. 3 VA	
Operating mode	automatic	automatic / manual	
Rotation angle adjustment	3 cams	3 cams	Potentiometer
Function, colours - min. - max. - potential-free, travelling	 yellow red blue	 red yellow yellow	 $y_{min.}$ $y_{max.}$ -
Adjustment by	Lever	Lever	Adjustment screw
Potentiometer	-	yes	
Control	~(AC) 230 V 50 Hz	4 to 20 mA	
Output	-	4 to 20 mA	
Separate power output	-	10 V	
Direction of rotation of the shaft closed → open	left	left	
Cable entry	1 x M16 x 1,5 mm	2 x M16 x 1,5 mm	
Nominal torque	1000 Ncm	1000 Ncm	
Static holding torque	500 Ncm	500 Ncm	
Permissible lateral force on the shaft	max. 100 N	max. 100 N	
Shaft diameter	10_{h8} mm	10_{h8} mm	
Shaft flat area	1,5 x 22 mm	1,5 x 22 mm	
Degree of protection (DIN 40050)	IP 54	IP 54	
Protection class EN 50178	1	1	
Diagram			

Actuator drives

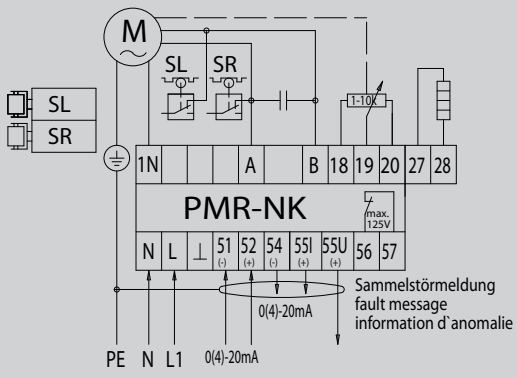
Technical data

Type	DMA 30 A 230/10 3 LR	DMA 30 A 115/10 3 LR	DMA 30 A 24/10 3 LR
Order No.	**255 039**	**255 041**	**255 482**
Operating time for 90 °	30 s (25 s*)	30 s (25 s*)	30 s (± 10 % as a function of load)
Switch-on duration ED Motor/relay	100 % / 100 %	100 % / 100 %	100 % / 100 %
Voltage/frequency	~(AC) 230 V 50 (60) Hz	~(AC) 115 V 50 (60) Hz	=(DC) 24 V
Ambient temperature	-15 °C to 60 °C	-15 °C to 60 °C	-15 °C to 60 °C
Weight	2.3 kg	2.3 kg	2.3 kg
Power consumption	max. 7 VA	max. 7 VA	5 W
Operating mode	automatic	automatic	automatic
Rotation angle adjustment	3 cams	3 cams	3 cams
Function	- min. - max. - potential-free, travelling	- min. - max. - potential-free, travelling	- min. - max. - potential-free, travelling
Adjustment by	Hand	Hand	Hand
Potentiometer	optionally retrofittable	optionally retrofittable	optionally retrofittable
Control	(AC) 230 V 50 (60) Hz	(AC) 115 V 50 (60) Hz	(DC) 24 V
Output	-	-	-
Separate power output	-	-	-
Direction of rotation of the shaft closed → open	left / right	left / right	left / right
Cable entry	1 x M20 x 1,5 / 1 x M16 x 1,5	1 x M20 x 1,5 / 1 x M16 x 1,5	1 x M20 x 1,5 / 1 x M16 x 1,5
Nominal torque	1000 Ncm	1000 Ncm	1000 Ncm
Static holding torque	1600 Ncm	1600 Ncm	1600 Ncm
Permissible lateral force on the shaft	max. 500 N	max. 500 N	max. 500 N
Shaft diameter	10 mm	10 mm	10 mm
Shaft flat area	2 x 25 mm	2 x 25 mm	2 x 25 mm
Degree of protection (DIN 40050)	IP 65	IP 65	IP 65
Protection class EN 50178	1	1	1
Approval	UL certified components	UL certified components	UL certified components
Diagram			

*) Runtime at 60 Hz

Actuator drives

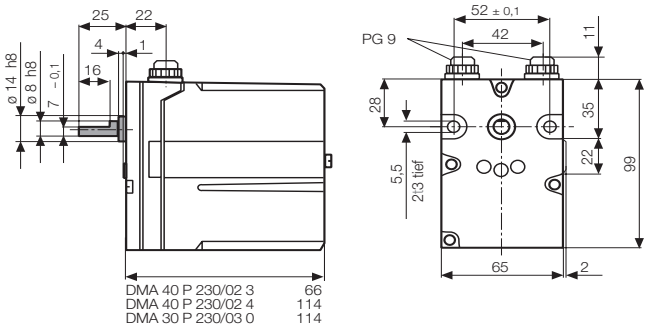
Technical data

Type	**DMA 30 A 230/10 0 LR**	**DMA 30 A 115/10 0 LR**
Order No.	**255 042**	**255 044**
Operating time for 90 °	30 s (25 s*)	30 s (25 s*)
Switch-on duration ED Motor/relay	100 % / 100 %	100 % / 100 %
Voltage/frequency	~(AC) 230 V 50 (60) Hz	~(AC) 115 V 50 (60) Hz
Ambient temperature	-10 °C to 60 °C	-10 °C to 60 °C
Weight	2.5 kg	2.5 kg
Power consumption	max. 7 VA	max. 7 VA
Operating mode	automatic / manual	automatic / manual
Rotation angle adjustment	2 cams | Potentiometer	2 cams | Potentiometer
Function	Safety limit min. | $y_{min.}$ max. | $y_{max.}$	Safety limit min. | $y_{min.}$ max. | $y_{max.}$
Adjustment by	Hand | Friction clutch	Hand | Friction clutch
Potentiometer	yes	yes
Control	4 to 20 mA	4 to 20 mA
Output	4 to 20 mA	4 to 20 mA
Separate power output	no	no
Direction of rotation of the shaft closed → open	left / right	left / right
Cable entry	1 x M20 x 1,5 / 1 x M16 x 1,5	1 x M20 x 1,5 / 1 x M16 x 1,5
Nominal torque	1000 Ncm	1000 Ncm
Static holding torque	1600 Ncm	1600 Ncm
Permissible lateral force on the shaft	max. 500 N	max. 500 N
Shaft diameter	10 mm	10 mm
Shaft flat area	2 x 25 mm	1,5 x 22 mm
Degree of protection (DIN 40050)	IP 65	IP 65
Protection class EN 50178	1	1
Approval	UL certified components	UL certified components
Diagram		

*) Runtime at 60 Hz

Dimensions [mm]

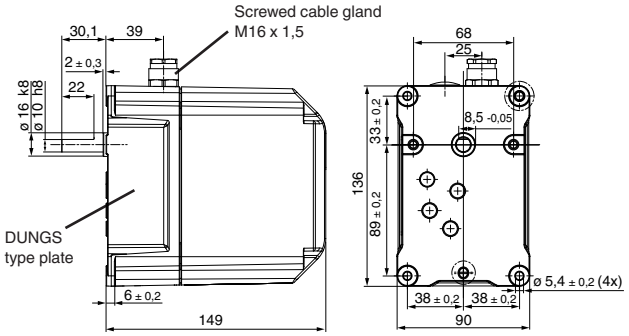
DMA...P



Installation: direct mounting to DMK...-P / DML by customer possible

Dimensions [mm]

DMA...Q



Installation: direct mounting to DMK...-Q by customer possible

Actuator drives Type	Degree of protection	$ø_{Shaft}$	Comment	Order No.
DMA 40 P 230/02 3 L	IP 40	8		226 240
DMA 40 P 230/02 4 L	IP 40	8		238 810
DMA 30 P 230/03 0 L	IP 40	8		226 239
DMA 30 Q 230/10 3 L	IP 54	10		252 723
DMA 30 Q 230/10 0 L	IP 54	10		252 721

Please state the motorised flap when ordering!

Accessories		Order No.
Potentiometer retrofitting kit 1 kΩ	DMA 40 P 230/02 4 L	240 498