ESQUEMA TRIFILAR E CARGAS - QGBT1

1600x800x300mm — 3Ø+N+PE ~ 220/127V — VEM DO QDG-1 — 500A — DPS

ILUMIN. 18	ILUMIN. 32	TOMADAS 100	TOMADAS 600	TOMADAS ESP.	FASE (mm2)	NEUTRO (mm2)	TERRA (mm2)	POTÊNCIA (W)	TENSÃO (V)	DISJUNTOR (A)	FINALIDADE	CIRCUITO
162	128	18	08	22	95	95	50	50.064	220	150	QDLF-A	A
200	120	65	07	19	120	120	70	58.840	220	200	QDLF-C	C
–	–	–	–	01	25	–	25	20.000	220	63	ELEVADOR	EL
–	–	–	–	–	–	–	–	–	220	–	RESERVA	R

CIRCUITO	FINALIDADE	DISJUNTOR (A)	TENSÃO (V)	POTÊNCIA (W)	FASE (mm2)	NEUTRO (mm2)	TERRA (mm2)	ILUMIN. 18	ILUMIN. 32	TOMADAS 100	TOMADAS 600	TOMADAS ESP.
AC2	QDLF-B	150	220	48.444	95	95	50	146	114	23	11	20
AC2	QDLF-D	32	220	3.120	6,0	6,0	6,0	16	26	08	02	04
IEL	ILUM. ELEVADOR	10	127	192	2,5	–	2,5	–	06	–	–	–
R	RESERVA	–	220	–	–	–	–	–	–	–	–	–
GERAL		500	220	180.660	2X 185	2X 185	2X 95	524	394	114	28	66

ESQUEMA TRIFILAR E CARGAS - QGBT2

1400x800x300mm — 3Ø+N+PE ~ 220/127V — VEM DO QDG-2 — 500A — DPS

ILUMIN. 50	ILUMIN. 100	TOMADAS 100	TOMADAS 600	TOMADAS ESP.	FASE (mm2)	NEUTRO (mm2)	TERRA (mm2)	POTÊNCIA (W)	TENSÃO (V)	DISJUNTOR (A)	FINALIDADE	CIRCUITO
–	–	–	–	01	35	35	16	20.000	220	80	QDF-LAB1	L1
–	–	–	–	01	35	35	16	20.000	220	80	QDF-LAB3	L3
–	–	–	–	01	35	35	16	20.000	220	80	QDF-LAB5	L5
–	–	–	–	01	35	35	16	20.000	220	80	QDF-LAB7	L7
–	–	–	–	–	–	–	–	–	220	–	RESERVA	R
–	–	–	–	–	–	–	–	–	220	–	RESERVA	R

CIRCUITO	FINALIDADE	DISJUNTOR (A)	TENSÃO (V)	POTÊNCIA (W)	FASE (mm2)	NEUTRO (mm2)	TERRA (mm2)	ILUMIN. 50	ILUMIN. 100	TOMADAS 100	TOMADAS 600	TOMADAS ESP.
L2	QDF-LAB2	80	220	20.000	35	35	16	–	–	–	–	01
L4	QDF-LAB4	80	220	20.000	35	35	16	–	–	–	–	01
L6	QDF-LAB6	80	220	20.000	35	35	16	–	–	–	–	01
L8	QDF-LAB8	80	220	20.000	35	35	16	–	–	–	–	01
R	RESERVA	–	220	–	–	–	–	–	–	–	–	–
R	RESERVA	–	220	–	–	–	–	–	–	–	–	–
GERAL		500	220	160.000	2X 185	2X 185	2X 95	–	–	–	–	08

ESQUEMA TRIFILAR E CARGAS - QDF-LAB * (8x)

400x400x150mm — 3Ø+N+PE ~ 220/127V — VEM DO QGBT-2 — 80A — DPS

	DISJUNTOR (A)	TENSÃO (V)	POTÊNCIA (W)	FASE (mm2)	NEUTRO (mm2)	TERRA (mm2)	ILUMIN. 18	ILUMIN. 32	TOMADAS 100	TOMADAS 600	TOMADAS ESP.
GERAL	80	220	20.000	35	35	16	–	–	–	–	01

*PARA OS QUADROS: QDF-LAB1, QDF-LAB2, QDF-LAB3, QDF-LAB-4, QDF-LAB5, QDF-LAB6, QDF-LAB7, QDF-LAB8

ESQUEMA TRIFILAR E CARGAS - QDF-RACK

1600x800x500mm — 3Ø+N+PE ~ 220/127V — VEM DO QDG-2 — 1.000A — DPS

ILUMIN. 50	ILUMIN. 100	TOMADAS 100	TOMADAS 600	TOMADAS ESP.	FASE (mm2)	NEUTRO (mm2)	TERRA (mm2)	POTÊNCIA (W)	TENSÃO (V)	DISJUNTOR (A)	FINALIDADE	CIRCUITO
–	–	–	–	01	50	50	25	35.000	220	125	RACK 1	R1
–	–	–	–	01	50	50	25	35.000	220	125	RACK 3	R3
–	–	–	–	01	50	50	25	35.000	220	125	RACK 5	R5
–	–	–	–	01	50	50	25	35.000	220	125	RACK 7	R7
–	–	–	–	01	50	50	25	35.000	220	125	RACK 9	R9
–	–	–	–	–	–	–	–	–	220	–	RESERVA	R

CIRCUITO	FINALIDADE	DISJUNTOR (A)	TENSÃO (V)	POTÊNCIA (W)	FASE (mm2)	NEUTRO (mm2)	TERRA (mm2)	ILUMIN. 50	ILUMIN. 100	TOMADAS 100	TOMADAS 600	TOMADAS ESP.
R2	RACK 2	125	220	35.000	50	50	25	–	–	–	–	01
R4	RACK 4	125	220	35.000	50	50	25	–	–	–	–	01
R6	RACK 6	125	220	35.000	50	50	25	–	–	–	–	01
R8	RACK 8	125	220	35.000	50	50	25	–	–	–	–	01
R10	RACK 10	125	220	35.000	50	50	25	–	–	–	–	01
R	RESERVA	–	220	–	–	–	–	–	–	–	–	–
GERAL		1.000	220	350.000	4X 240	4X 240	4X 120	–	–	–	–	10

ESQUEMA TRIFILAR E CARGAS - QDF-AC-D

1.500x800x300mm — 3Ø+N+PE ~ 220/127V — VEM DO QDG-1 — 600A — DPS

ILUMIN. 18	ILUMIN. 32	TOMADAS 100	TOMADAS 600	TOMADAS ESP.	FASE (mm2)	NEUTRO (mm2)	TERRA (mm2)	POTÊNCIA (W)	TENSÃO (V)	DISJUNTOR (A)	FINALIDADE	CIRCUITO
–	–	–	–	01	35	–	25	28.000	220	100	UC-26	AC1
–	–	–	–	01	10	–	10	10.000	220	40	UE-26	AC3
–	–	–	–	01	50	–	25	36.000	220	125	RESIST. 1	AC5
–	–	–	–	01	6,0	–	6,0	4.000	220	25	UC-25	AC7
–	–	–	–	–	–	–	–	–	220	–	RESERVA	R
–	–	–	–	–	–	–	–	–	220	–	RESERVA	R

CIRCUITO	FINALIDADE	DISJUNTOR (A)	TENSÃO (V)	POTÊNCIA (W)	FASE (mm2)	NEUTRO (mm2)	TERRA (mm2)	ILUMIN. 18	ILUMIN. 32	TOMADAS 100	TOMADAS 600	TOMADAS ESP.
AC2	UC-27	100	220	28.000	35	–	25	–	–	–	–	01
AC4	UE-27	40	220	10.000	10	–	10	–	–	–	–	01
AC6	UE-25	20	220	400	4,0	–	4,0	–	–	–	–	–
R	RESERVA	–	220	–	–	–	–	–	–	–	–	–
R	RESERVA	–	220	–	–	–	–	–	–	–	–	–
R	RESERVA	–	220	–	–	–	–	–	–	–	–	–
GERAL		350	220	116.400	2X 95	2X 95	2X 50	–	–	–	–	07

ESQUEMA TRIFILAR E CARGAS - QDF-AC-E

1.500x800x300mm — 3Ø+N+PE ~ 220/127V — VEM DO QDG-1 — 600A — DPS

ILUMIN. 50	ILUMIN. 100	TOMADAS 100	TOMADAS 600	TOMADAS ESP.	FASE (mm2)	NEUTRO (mm2)	TERRA (mm2)	POTÊNCIA (W)	TENSÃO (V)	DISJUNTOR (A)	FINALIDADE	CIRCUITO
–	–	–	–	01	35	–	25	28.000	220	100	UC-28	AC1
–	–	–	–	01	10	–	10	10.000	220	40	UE-28	AC3
–	–	–	–	01	50	–	25	36.000	220	125	RESIST. 2	AC5
–	–	–	–	–	–	–	–	–	220	–	RESERVA	R
–	–	–	–	–	–	–	–	–	220	–	RESERVA	R
–	–	–	–	–	–	–	–	–	220	–	RESERVA	R

CIRCUITO	FINALIDADE	DISJUNTOR (A)	TENSÃO (V)	POTÊNCIA (W)	FASE (mm2)	NEUTRO (mm2)	TERRA (mm2)	ILUMIN. 50	ILUMIN. 100	TOMADAS 100	TOMADAS 600	TOMADAS ESP.
AC2	UC-29	100	220	28.000	35	–	25	–	–	–	–	01
AC4	UE-29	40	220	10.000	10	–	10	–	–	–	–	01
R	RESERVA	–	220	–	–	–	–	–	–	–	–	–
R	RESERVA	–	220	–	–	–	–	–	–	–	–	–
R	RESERVA	–	220	–	–	–	–	–	–	–	–	–
R	RESERVA	–	220	–	–	–	–	–	–	–	–	–
GERAL		350	220	112.000	2X 95	2X 95	2X 50	–	–	–	–	05

OBS.:
ONDE FOR UTILIZAR ALIMENTADORES COM CABOS MULTIPLOS, UTILIZAR BARRAMENTO PARA CONEXÃO AO DISJUNTOR E FIXAÇÃO DOS TERMINAIS

ESQUEMA TRIFILAR E CARGAS - QDFL-A

1.200x600x150mm — 3Ø+N+PE ~ 220/127V — VEM DO QGBT1 — 150A — DPS

ILUMIN. 18	ILUMIN. 32	TOMADAS 100	TOMADAS 600	TOMADAS ESP.	FASE (mm2)	NEUTRO (mm2)	TERRA (mm2)	POTÊNCIA (W)	TENSÃO (V)	DISJUNTOR (A)	FINALIDADE	CIRCUITO
–	–	–	02	09	16	16	16	13.000	220	50	QDF-AC-A1	AC1
50	–	–	–	–	2,5	–	2,5	900	220	16	ILUMINAÇÃO	A1
44	–	–	–	–	2,5	–	2,5	792	220	16	ILUMINAÇÃO	A3
–	18	–	–	–	2,5	–	2,5	576	220	16	ILUMINAÇÃO	A5
–	18	–	–	–	2,5	–	2,5	576	220	16	ILUMINAÇÃO	A7
–	12	–	–	–	2,5	–	2,5	384	220	16	ILUMINAÇÃO	A9
–	16	–	–	–	2,5	–	2,5	512	220	16	ILUMINAÇÃO	A11
–	–	05	–	–	4,0	4,0	4,0	500	127	16	TOMADA	A13
–	–	–	01	–	4,0	4,0	4,0	600	127	20	TOM. GELAD.	A15
–	–	06	–	–	2,5	–	2,5	192	220	16	ILUM. ESCADA	A17
–	–	–	–	01	6,0	–	6,0	5.500	220	32	CHUVEIRO	A19
–	–	–	–	01	4,0	–	4,0	1050	220	16	ILUM. EXTERNA	A21
–	–	–	–	01	2,5	–	2,5	560	220	16	ILUM. EXTERNA	A23
–	–	–	–	–	–	–	–	–	127	–	RESERVA	R
–	–	–	–	–	–	–	–	–	220	–	RESERVA	R
–	–	–	–	–	–	–	–	–	220	–	RESERVA	R

CIRCUITO	FINALIDADE	DISJUNTOR (A)	TENSÃO (V)	POTÊNCIA (W)	FASE (mm2)	NEUTRO (mm2)	TERRA (mm2)	ILUMIN. 18	ILUMIN. 32	TOMADAS 100	TOMADAS 600	TOMADAS ESP.
AC2	QDF-AC-A2	50	220	12.000	16	16	16	–	–	–	02	08
A2	ILUMINAÇÃO	16	220	792	2,5	–	2,5	44	–	–	–	–
A4	ILUMINAÇÃO	16	220	432	2,5	–	2,5	24	–	–	–	–
A6	ILUMINAÇÃO	16	220	384	2,5	–	2,5	–	12	–	–	–
A8	ILUMINAÇÃO	16	220	512	2,5	–	2,5	–	16	–	–	–
A10	ILUMINAÇÃO	16	220	576	2,5	–	2,5	–	18	–	–	–
A12	ILUMINAÇÃO	16	220	576	2,5	–	2,5	–	18	–	–	–
A14	TOMADA	20	127	1.200	4,0	4,0	4,0	–	–	–	02	–
A16	TOMADA	20	127	500	4,0	4,0	4,0	–	–	05	–	–
A18	CHUVEIRO	32	220	5.500	6,0	–	6,0	–	–	–	–	01
A20	TOM. IL. EMERG.	20	127	800	4,0	4,0	4,0	–	–	08	–	–
A22	ILUM. EXTERNA	16	220	1.050	2,5	–	2,5	–	–	–	–	01
A24	CENT. AL. INC.	20	127	600	4,0	4,0	4,0	–	–	–	01	–
R	RESERVA	–	127	–	–	–	–	–	–	–	–	–
R	RESERVA	–	220	–	–	–	–	–	–	–	–	–
R	RESERVA	–	220	–	–	–	–	–	–	–	–	–
R	RESERVA	–	220	–	–	–	–	–	–	–	–	–
GERAL		150	220	50.064	95	95	50	162	128	18	08	22

NOS CIRCUITOS INDICADOS COM ☐ UTILIZAR DR DE 30mA

ESQUEMA TRIFILAR E CARGAS - QDFL-B

1.200x600x150mm — 3Ø+N+PE ~ 220/127V — VEM DO QGBT1 — 150A — DPS

ILUMIN. 18	ILUMIN. 32	TOMADAS 100	TOMADAS 600	TOMADAS ESP.	FASE (mm2)	NEUTRO (mm2)	TERRA (mm2)	POTÊNCIA (W)	TENSÃO (V)	DISJUNTOR (A)	FINALIDADE	CIRCUITO
–	–	–	02	09	16	16	16	11.400	220	50	QDF-AC-B1	AC1
50	–	–	–	–	2,5	–	2,5	900	220	16	ILUMINAÇÃO	B1
40	02	–	–	–	2,5	–	2,5	784	220	16	ILUMINAÇÃO	B3
–	24	–	–	–	2,5	–	2,5	768	220	16	ILUMINAÇÃO	B5
–	16	–	–	–	2,5	–	2,5	512	220	16	ILUMINAÇÃO	B7
–	18	–	–	–	2,5	–	2,5	576	220	16	ILUMINAÇÃO	B9
–	18	–	–	–	2,5	–	2,5	576	220	16	ILUMINAÇÃO	B11
–	–	–	03	–	4,0	4,0	4,0	1.800	127	20	TOMADA	B13
–	–	–	01	–	4,0	4,0	4,0	600	127	20	TOM. GELAD.	B15
–	–	04	03	–	4,0	4,0	4,0	2.200	127	20	TOMADA	B17
–	–	–	–	01	6,0	–	6,0	5.500	220	32	CHUVEIRO	B19
–	–	–	–	–	–	–	–	–	127	–	RESERVA	R
–	–	–	–	–	–	–	–	–	220	–	RESERVA	R
–	–	–	–	–	–	–	–	–	220	–	RESERVA	R
–	–	–	–	–	–	–	–	–	220	–	RESERVA	R

CIRCUITO	FINALIDADE	DISJUNTOR (A)	TENSÃO (V)	POTÊNCIA (W)	FASE (mm2)	NEUTRO (mm2)	TERRA (mm2)	ILUMIN. 18	ILUMIN. 32	TOMADAS 100	TOMADAS 600	TOMADAS ESP.
AC2	QDF-AC-B2	50	220	12.000	16	16	16	–	–	–	02	08
B2	ILUMINAÇÃO	16	220	640	2,5	–	2,5	12	08	–	–	–
B4	ILUMINAÇÃO	16	220	432	2,5	–	2,5	24	–	–	–	–
B6	ILUMINAÇÃO	16	220	360	2,5	–	2,5	20	–	–	–	–
B8	ILUMINAÇÃO	16	220	384	2,5	–	2,5	–	12	–	–	–
B10	ILUMINAÇÃO	16	220	512	2,5	–	2,5	–	16	–	–	–
B12	TOMADA	20	127	400	4,0	4,0	4,0	–	–	04	–	–
B14	TOMADA	20	127	500	4,0	4,0	4,0	–	–	05	–	–
B16	M. ONDAS	20	127	1.500	4,0	4,0	4,0	–	–	–	–	01
B18	CHUVEIRO	32	220	5.500	6,0	–	6,0	–	–	–	–	01
B20	TOM. IL. EMERG.	20	127	600	4,0	4,0	4,0	–	–	10	–	–
–	RESERVA	–	220	–	–	–	–	–	–	–	–	–
–	RESERVA	–	220	–	–	–	–	–	–	–	–	–
–	RESERVA	–	220	–	–	–	–	–	–	–	–	–
–	RESERVA	–	220	–	–	–	–	–	–	–	–	–
GERAL		150	220	48.444	95	95	50	146	114	23	11	20

NOS CIRCUITOS INDICADOS COM ☐ UTILIZAR DR DE 30mA

ESQUEMA TRIFILAR E CARGAS - QDFL-C

1.200x600x150mm — 3Ø+N+PE ~ 220/127V — VEM DO QGBT1 — 200A — DPS

ILUMIN. 18	ILUMIN. 32	TOMADAS 100	TOMADAS 600	TOMADAS ESP.	FASE (mm2)	NEUTRO (mm2)	TERRA (mm2)	POTÊNCIA (W)	TENSÃO (V)	DISJUNTOR (A)	FINALIDADE	CIRCUITO
–	–	–	02	09	25	25	16	19.800	220	63	QDF-AC-C1	AC1
50	–	–	–	–	2,5	–	2,5	900	220	16	ILUMINAÇÃO	C1
44	–	–	–	–	2,5	–	2,5	792	220	16	ILUMINAÇÃO	C3
34	–	–	–	–	2,5	–	2,5	612	220	16	ILUMINAÇÃO	C5
–	20	–	–	–	2,5	–	2,5	640	220	16	ILUMINAÇÃO	C7
08	14	–	–	–	2,5	–	2,5	592	220	16	ILUMINAÇÃO	C9
–	18	–	–	–	2,5	–	2,5	576	220	16	ILUMINAÇÃO	C11
–	–	08	–	–	4,0	4,0	4,0	800	127	20	TOMADA	C13
–	–	08	–	–	4,0	4,0	4,0	800	127	20	TOMADA	C15
–	–	05	–	–	4,0	4,0	4,0	500	127	20	TOMADA	C17
–	–	06	–	–	4,0	4,0	4,0	600	127	20	TOMADA	C19
–	–	08	–	–	4,0	4,0	4,0	800	127	20	TOMADA	C21
–	–	–	01	–	4,0	4,0	4,0	600	127	20	TOM. GELAD.	C23
–	–	09	–	–	4,0	4,0	4,0	900	127	20	TOM. IL. EMERG.	C25
–	–	–	–	01	6,0	–	6,0	5.500	220	32	CHUVEIRO	C27
–	–	–	–	–	–	–	–	–	127	–	RESERVA	–
–	–	–	–	–	–	–	–	–	220	–	RESERVA	R
–	–	–	–	–	–	–	–	–	220	–	RESERVA	R
–	–	–	–	–	–	–	–	–	220	–	RESERVA	R
–	–	–	–	–	–	–	–	–	220	–	RESERVA	R

CIRCUITO	FINALIDADE	DISJUNTOR (A)	TENSÃO (V)	POTÊNCIA (W)	FASE (mm2)	NEUTRO (mm2)	TERRA (mm2)	ILUMIN. 18	ILUMIN. 32	TOMADAS 100	TOMADAS 600	TOMADAS ESP.
AC2	QDF-AC-C2	50	220	12.000	16	16	16	–	–	–	02	08
C2	ILUMINAÇÃO	16	220	720	2,5	–	2,5	40	–	–	–	–
C4	ILUMINAÇÃO	16	220	432	2,5	–	2,5	24	–	–	–	–
C6	ILUMINAÇÃO	16	220	576	2,5	–	2,5	–	18	–	–	–
C8	ILUMINAÇÃO	16	220	640	2,5	–	2,5	–	20	–	–	–
C10	ILUMINAÇÃO	16	220	576	2,5	–	2,5	–	18	–	–	–
C12	ILUMINAÇÃO	16	220	384	2,5	–	2,5	–	12	–	–	–
C14	TOMADA	20	127	500	4,0	4,0	4,0	–	–	05	–	–
C16	TOMADA	20	127	400	4,0	4,0	4,0	–	–	04	–	–
C18	TOMADA	20	127	400	4,0	4,0	4,0	–	–	04	–	–
C20	TOMADA	20	127	600	4,0	4,0	4,0	–	–	06	–	–
C22	TOMADA	20	127	1.200	4,0	4,0	4,0	–	–	–	02	–
C24	TOMADA	20	127	500	4,0	4,0	4,0	–	–	05	–	–
C26	CHUVEIRO	32	220	5.500	6,0	–	6,0	–	–	–	–	01
R	RESERVA	–	220	–	–	–	–	–	–	–	–	–
R	RESERVA	–	220	–	–	–	–	–	–	–	–	–
R	RESERVA	–	220	–	–	–	–	–	–	–	–	–
R	RESERVA	–	220	–	–	–	–	–	–	–	–	–
R	RESERVA	–	220	–	–	–	–	–	–	–	–	–
GERAL		200	220	58.840	120	120	70	200	120	65	07	19

NOS CIRCUITOS INDICADOS COM ☐ UTILIZAR DR DE 30mA

ESQUEMA TRIFILAR E CARGAS - QDFL-D

600x500x150mm — 3Ø+N+PE ~ 220/127V — VEM DO QGBT-1 — 32A — DPS

ILUMIN. 18	ILUMIN. 32	TOMADAS 100	TOMADAS 600	TOMADAS ESP.	FASE (mm2)	NEUTRO (mm2)	TERRA (mm2)	POTÊNCIA (W)	TENSÃO (V)	DISJUNTOR (A)	FINALIDADE	CIRCUITO
–	26	–	–	–	2,5	–	2,5	832	220	16	ILUMINAÇÃO	D1
–	–	04	–	–	4,0	4,0	4,0	400	127	20	TOMADA	D3
–	–	–	01	–	4,0	–	4,0	600	220	20	TOMADA	D5
–	–	–	–	–	–	–	–	–	220	–	RESERVA	R
–	–	–	–	–	–	–	–	–	220	–	RESERVA	R

CIRCUITO	FINALIDADE	DISJUNTOR (A)	TENSÃO (V)	POTÊNCIA (W)	FASE (mm2)	NEUTRO (mm2)	TERRA (mm2)	ILUMIN. 18	ILUMIN. 32	TOMADAS 100	TOMADAS 600	TOMADAS ESP.
D2	ILUMINAÇÃO	16	220	288	2,5	–	2,5	16	–	–	–	–
D4	TOMADA	20	127	600	4,0	4,0	4,0	–	–	–	01	–
D6	TOM. IL. EMERG.	20	127	400	4,0	4,0	4,0	–	–	04	–	–
R	RESERVA	–	127	–	–	–	–	–	–	–	–	–
R	RESERVA	–	220	–	–	–	–	–	–	–	–	–
R	RESERVA	–	220	–	–	–	–	–	–	–	–	–
GERAL		32	220	3.120	6,0	6,0	6,0	16	26	08	02	–

NOS CIRCUITOS INDICADOS COM ☐ UTILIZAR DR DE 30mA

ESQUEMA TRIFILAR E CARGAS - QF-AC-A1

600x500x150mm — 3Ø+N+PE ~ 220/127V — VEM DO QDFL-A — 50A — DPS

ILUMIN. 50	ILUMIN. 100	TOMADAS 100	TOMADAS 600	TOMADAS ESP.	FASE (mm2)	NEUTRO (mm2)	TERRA (mm2)	POTÊNCIA (W)	TENSÃO (V)	DISJUNTOR (A)	FINALIDADE	CIRCUITO
–	–	–	–	01	4,0	–	4,0	2.300	220	20	AC-1-COND	A1.1
–	–	–	–	01	4,0	–	4,0	2.300	220	20	AC-3-COND	A1.3
–	–	–	–	01	4,0	–	4,0	400	220	20	AC-1-EV	A1.5
–	–	–	–	01	4,0	–	4,0	400	220	20	AC-3-EV	A1.7
–	–	–	01	–	4,0	4,0	4,0	600	127	20	TOMADA	A1.9
–	–	–	–	01	4,0	–	4,0	1.000	220	20	VE-01	A1.11
–	–	–	–	–	–	–	–	–	127	–	RESERVA	R
–	–	–	–	–	–	–	–	–	220	–	RESERVA	R

CIRCUITO	FINALIDADE	DISJUNTOR (A)	TENSÃO (V)	POTÊNCIA (W)	FASE (mm2)	NEUTRO (mm2)	TERRA (mm2)	ILUMIN. 50	ILUMIN. 100	TOMADAS 100	TOMADAS 600	TOMADAS ESP.
A1.2	AC-2-COND	20	220	2.300	4,0	–	4,0	–	–	–	–	01
A1.4	AC-4-COND	20	220	2.300	4,0	–	4,0	–	–	–	–	01
A1.6	AC-2-EV	20	220	400	4,0	–	4,0	–	–	–	01	–
A1.8	AC-4-EV	20	220	400	4,0	–	4,0	–	–	–	–	01
A1.10	TOMADA	20	220	600	4,0	–	4,0	–	–	–	–	01
R	RESERVA	–	127	–	–	–	–	–	–	–	–	–
R	RESERVA	–	220	–	–	–	–	–	–	–	–	–
R	RESERVA	–	220	–	–	–	–	–	–	–	–	–
GERAL		50	220	13.000	16	16	16	–	–	–	02	09

ESQUEMA TRIFILAR E CARGAS - QF-AC-A2

600x500x150mm — 3Ø+N+PE ~ 220/127V — VEM DO QDFL-A — 50A — DPS

ILUMIN. 50	ILUMIN. 100	TOMADAS 100	TOMADAS 600	TOMADAS ESP.	FASE (mm2)	NEUTRO (mm2)	TERRA (mm2)	POTÊNCIA (W)	TENSÃO (V)	DISJUNTOR (A)	FINALIDADE	CIRCUITO
–	–	–	–	01	4,0	–	4,0	2.300	220	20	AC-1-COND	A2.1
–	–	–	–	01	4,0	–	4,0	2.300	220	20	AC-3-COND	A2.3
–	–	–	–	01	4,0	–	4,0	400	220	20	AC-1-EV	A2.5
–	–	–	–	01	4,0	–	4,0	400	220	20	AC-3-EV	A2.7
–	–	–	01	–	4,0	4,0	4,0	600	127	20	TOMADA	A2.9
–	–	–	–	–	–	–	–	–	220	–	RESERVA	R
–	–	–	–	–	–	–	–	–	127	–	RESERVA	R
–	–	–	–	–	–	–	–	–	220	–	RESERVA	R

CIRCUITO	FINALIDADE	DISJUNTOR (A)	TENSÃO (V)	POTÊNCIA (W)	FASE (mm2)	NEUTRO (mm2)	TERRA (mm2)	ILUMIN. 50	ILUMIN. 100	TOMADAS 100	TOMADAS 600	TOMADAS ESP.
A2.2	AC-2-COND	20	220	2.300	4,0	–	4,0	–	–	–	–	01
A2.4	AC-4-COND	20	220	2.300	4,0	–	4,0	–	–	–	–	01
A2.6	AC-2-EV	20	220	400	4,0	–	4,0	–	–	–	–	01
A2.8	AC-4-EV	20	220	400	4,0	–	4,0	–	–	–	–	01
A2.10	TOMADA	20	220	600	4,0	–	4,0	–	–	–	01	–
R	RESERVA	–	127	–	–	–	–	–	–	–	–	–
R	RESERVA	–	220	–	–	–	–	–	–	–	–	–
R	RESERVA	–	220	–	–	–	–	–	–	–	–	–
GERAL		50	220	12.000	16	16	16	–	–	–	02	08

ESQUEMA TRIFILAR E CARGAS - QF-AC-B1

600x500x150mm — 3Ø+N+PE ~ 220/127V — VEM DO QDFL-B — 50A — DPS

ILUMIN. 50	ILUMIN. 100	TOMADAS 100	TOMADAS 600	TOMADAS ESP.	FASE (mm2)	NEUTRO (mm2)	TERRA (mm2)	POTÊNCIA (W)	TENSÃO (V)	DISJUNTOR (A)	FINALIDADE	CIRCUITO
–	–	–	–	01	4,0	–	4,0	1.900	220	20	AC-9-COND	B1.1
–	–	–	–	01	4,0	–	4,0	1.900	220	20	AC-11-COND	B1.3
–	–	–	–	01	4,0	–	4,0	400	220	20	AC-9-EV	B1.5
–	–	–	–	01	4,0	–	4,0	400	220	20	AC-11-EV	B1.7
–	–	–	01	–	4,0	4,0	4,0	600	127	20	TOMADA	B1.9
–	–	–	–	01	4,0	–	4,0	1.000	220	20	VE-02	B1.11
–	–	–	–	–	–	–	–	–	127	–	RESERVA	R
–	–	–	–	–	–	–	–	–	220	–	RESERVA	R

CIRCUITO	FINALIDADE	DISJUNTOR (A)	TENSÃO (V)	POTÊNCIA (W)	FASE (mm2)	NEUTRO (mm2)	TERRA (mm2)	ILUMIN. 50	ILUMIN. 100	TOMADAS 100	TOMADAS 600	TOMADAS ESP.
B1.2	AC-10-COND	20	220	1.900	4,0	–	4,0	–	–	–	–	01
B1.4	AC-12-COND	20	220	1.900	4,0	–	4,0	–	–	–	–	01
B1.6	AC-10-EV	20	220	400	4,0	–	4,0	–	–	–	01	–
B1.8	AC-12-EV	20	220	400	4,0	–	4,0	–	–	–	–	01
B1.10	TOMADA	20	220	600	4,0	–	4,0	–	–	–	–	01
R	RESERVA	–	127	–	–	–	–	–	–	–	–	–
R	RESERVA	–	220	–	–	–	–	–	–	–	–	–
R	RESERVA	–	220	–	–	–	–	–	–	–	–	–
GERAL		50	220	11.400	16	16	16	–	–	–	02	09

ESQUEMA TRIFILAR E CARGAS - QF-AC-B2

600x500x150mm — 3Ø+N+PE ~ 220/127V — VEM DO QDFL-B — 50A — DPS

ILUMIN. 50	ILUMIN. 100	TOMADAS 100	TOMADAS 600	TOMADAS ESP.	FASE (mm2)	NEUTRO (mm2)	TERRA (mm2)	POTÊNCIA (W)	TENSÃO (V)	DISJUNTOR (A)	FINALIDADE	CIRCUITO
–	–	–	–	01	4,0	–	4,0	2.300	220	20	AC-13-COND	B2.1
–	–	–	–	01	4,0	–	4,0	2.300	220	20	AC-15-COND	B2.3
–	–	–	–	01	4,0	–	4,0	400	220	20	AC-13-EV	B2.5
–	–	–	–	01	4,0	–	4,0	400	220	20	AC-15-EV	B2.7
–	–	–	01	–	4,0	4,0	4,0	600	127	20	TOMADA	B2.9
–	–	–	–	–	–	–	–	–	220	–	RESERVA	R
–	–	–	–	–	–	–	–	–	127	–	RESERVA	R
–	–	–	–	–	–	–	–	–	220	–	RESERVA	R

CIRCUITO	FINALIDADE	DISJUNTOR (A)	TENSÃO (V)	POTÊNCIA (W)	FASE (mm2)	NEUTRO (mm2)	TERRA (mm2)	ILUMIN. 50	ILUMIN. 100	TOMADAS 100	TOMADAS 600	TOMADAS ESP.
B2.2	AC-14-COND	20	220	2.300	4,0	–	4,0	–	–	–	–	01
B2.4	AC-16-COND	20	220	2.300	4,0	–	4,0	–	–	–	–	01
B2.6	AC-14-EV	20	220	400	4,0	–	4,0	–	–	–	–	01
B2.8	AC-16-EV	20	220	400	4,0	–	4,0	–	–	–	–	01
B2.10	TOMADA	20	220	600	4,0	–	4,0	–	–	–	01	–
R	RESERVA	–	127	–	–	–	–	–	–	–	–	–
R	RESERVA	–	220	–	–	–	–	–	–	–	–	–
R	RESERVA	–	220	–	–	–	–	–	–	–	–	–
GERAL		50	220	12.000	16	16	16	–	–	–	02	08

ESQUEMA TRIFILAR E CARGAS - QF-AC-C1

600x500x150mm — 3Ø+N+PE ~ 220/127V — VEM DO QDFL-C — 80A — DPS

ILUMIN. 50	ILUMIN. 100	TOMADAS 100	TOMADAS 600	TOMADAS ESP.	FASE (mm2)	NEUTRO (mm2)	TERRA (mm2)	POTÊNCIA (W)	TENSÃO (V)	DISJUNTOR (A)	FINALIDADE	CIRCUITO
–	–	–	–	01	6,0	–	6,0	4.000	220	25	AC-17-COND	C1.1
–	–	–	–	01	6,0	–	6,0	4.000	220	25	AC-19-COND	C1.3
–	–	–	–	01	4,0	–	4,0	400	220	20	AC-17-EV	C1.5
–	–	–	–	01	4,0	–	4,0	400	220	20	AC-19-EV	C1.7
–	–	–	01	–	4,0	4,0	4,0	600	127	20	TOMADA	C1.9
–	–	–	–	01	4,0	–	4,0	1.000	220	20	VE-02	C1.11
–	–	–	–	–	–	–	–	–	220	–	RESERVA	R
–	–	–	–	–	–	–	–	–	220	–	RESERVA	R

CIRCUITO	FINALIDADE	DISJUNTOR (A)	TENSÃO (V)	POTÊNCIA (W)	FASE (mm2)	NEUTRO (mm2)	TERRA (mm2)	ILUMIN. 50	ILUMIN. 100	TOMADAS 100	TOMADAS 600	TOMADAS ESP.
C1.2	AC-18-COND	25	220	4.000	6,0	–	6,0	–	–	–	–	01
C1.4	AC-20-COND	25	220	4.000	6,0	–	6,0	–	–	–	–	01
C1.6	AC-18-EV	20	220	400	4,0	–	4,0	–	–	–	01	–
C1.8	AC-20-EV	20	220	400	4,0	–	4,0	–	–	–	–	01
C1.10	TOMADA	20	220	600	4,0	–	4,0	–	–	–	–	01
R	RESERVA	–	220	–	–	–	–	–	–	–	–	–
R	RESERVA	–	220	–	–	–	–	–	–	–	–	–
R	RESERVA	–	220	–	–	–	–	–	–	–	–	–
GERAL		80	220	19.800	35	35	16	–	–	–	02	09

ESQUEMA TRIFILAR E CARGAS - QF-AC-C2

600x500x150mm — 3Ø+N+PE ~ 220/127V — VEM DO QDFL-C — 50A — DPS

ILUMIN. 50	ILUMIN. 100	TOMADAS 100	TOMADAS 600	TOMADAS ESP.	FASE (mm2)	NEUTRO (mm2)	TERRA (mm2)	POTÊNCIA (W)	TENSÃO (V)	DISJUNTOR (A)	FINALIDADE	CIRCUITO
–	–	–	–	01	4,0	–	4,0	2.300	220	20	AC-21-COND	C2.1
–	–	–	–	01	4,0	–	4,0	2.300	220	20	AC-23-COND	C2.3
–	–	–	–	01	4,0	–	4,0	400	220	20	AC-21-EV	C2.5
–	–	–	–	01	4,0	–	4,0	400	220	20	AC-23-EV	C2.7
–	–	–	01	–	4,0	4,0	4,0	600	127	20	TOMADA	C2.9
–	–	–	–	–	–	–	–	–	220	–	RESERVZ	R
–	–	–	–	–	–	–	–	–	127	–	RESERVA	R
–	–	–	–	–	–	–	–	–	220	–	RESERVA	R

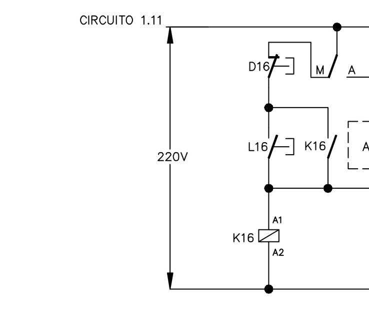
CIRCUITO	FINALIDADE	DISJUNTOR (A)	TENSÃO (V)	POTÊNCIA (W)	FASE (mm2)	NEUTRO (mm2)	TERRA (mm2)	ILUMIN. 50	ILUMIN. 100	TOMADAS 100	TOMADAS 600	TOMADAS ESP.
C2.2	AC-22-COND	20	220	2.300	4,0	–	4,0	–	–	–	–	01
C2.4	AC-24-COND	20	220	2.300	4,0	–	4,0	–	–	–	–	01
C2.6	AC-22-EV	20	220	400	4,0	–	4,0	–	–	–	–	01
C2.8	AC-24-EV	20	220	400	4,0	–	4,0	–	–	–	–	01
C2.10	TOMADA	20	220	600	4,0	–	4,0	–	–	–	01	–
R	RESERVA	–	127	–	–	–	–	–	–	–	–	–
R	RESERVA	–	220	–	–	–	–	–	–	–	–	–
R	RESERVA	–	220	–	–	–	–	–	–	–	–	–
GERAL		50	220	12.000	16	16	16	–	–	–	02	08

ESQUEMA QCR* (3x)

1.11 — K1

*PARA OS QUADROS: QCR-A, QCR-B, QCR-C

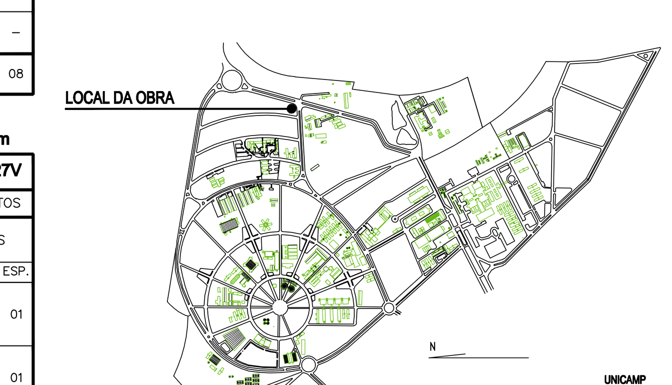
ESQUEMA DE COMANDO - QCR



LEGENDA AUXILIAR

- D / L — BOTOEIRA LIGA/DESLIGA, INSTALADA NA PORTA DO QUADRO COM LUZ INDICATIVA (VERDE E VERMELHA)
- M / A — CHAVE REVERSORA MANUAL/AUTOMATICA INSTALADA INTERNAMENTE
- AUT — PREVISÃO PARA AUTOMAÇÃO

LOCAL DA OBRA



OBSERVAÇÕES GERAIS

- Todas as medidas deverão ser expressas em metros, exceto onde indicado.
- Antes da execução da obra, conferir todas as medidas no local.
- Não tomar medidas em escala na planta.
- Para toda interferência em alvenaria existente, as medidas deverão ser confirmadas no local e confrontadas com as medidas fornecidas pelo projeto executivo, podendo haver necessidade de ajustes.
- Em caso de reformas, as áreas que sofrerem danos causados pela intervenção deverão ser recuperadas, principalmente pintura, pisos e jardins. Em cada caso, seguir o padrão existente no local.
- As demais especificações deverão estar indicadas no Memorial Descritivo de Arquitetura.

REVISÃO	DATA	DESCRIÇÃO DA REVISÃO
02		
01		

ATENÇÃO — A autoria do projeto não é responsabilidade desta Coordenadoria, cabendo-lhe apenas sua análise e gerenciamento.

UNICAMP — COORDENADORIA DE PROJETOS E OBRAS — CPO
Pró-Reitoria de Desenvolvimento Universitário
UNIDADE: INSTITUTO DE QUÍMICA
OBRA: CONSTRUÇÃO DO LAB. INTEGRADO DE ENGENHARIA MOLECULAR
CÓDIGO DA OBRA CPO: CPO-XXXXXEM

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OBRA: LAB. INTEGRADO DE ENGENHARIA MOLECULAR
REF.: ELE
TÍTULO: QUADROS E RELAÇÃO DE CARGAS
FOLHA: 12/15 - R00
AUTOR (ES) PROJETO: ENG. JOSÉ VIEIRA DINIZ FILHO — CREA: 060.181.834-7 — ART: 92221220130014603
DESENHO: DINIZ — DATA: 16/01/2013 — ESCALA: S/ ESCALA